INTERIM ORDER
4TH QUARTER 2011
PROGRESS REPORT

ESTATE OF CHEMETCO, INC.
HARTFORD, ILLINOIS

February 6, 2012

ESTATE OF CHEMETCO
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HARTFORD, ILLINOIS 62048

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SECTIONONE Compliance Actions

1.0 Actions Taken Toward Achieving Compliance with the Interim Order in 4th Quarter 2011:

1.1 Pot Slag Work Plan for Sales of Facility Assets

1.1.1 Pot Slag Shipments

No shipments of Pot Slag were made during the 4th Quarter 2011.

1.1.2 Pot Slag - Demobilization and Decontamination

No demobilization and decontamination activities associated with Pot Slag shipments occurred during the 4th Quarter 2011.

1.1.3 Pot Slag - Waste Generation

Solid Waste: No Pot Slag waste was generated during the 4th Quarter 2011.

Decon Debris: No Decon and/or Debris associated with Pot Slag shipments were generated during the 4th Quarter 2011.

Wastewaters/Sludges: No wastewater/sludges associated with the management of Pot Slag were generated during the 4th Quarter 2011.

1.2 Copper Furnace Cleanup Solids Work Plan for Sales of Facility Assets

1.2.1 Copper Furnace Cleanup Solids Shipments

No shipments of Copper Furnace Cleanup Solids were made during the 4th Quarter 2011.

1.2.2 Copper Furnace Cleanup Solids - Demobilization and Decontamination.

No demobilization and decontamination activities associated with Copper Furnace Cleanup Solids shipments occurred during the 4th Quarter 2011.

1.2.3 Copper Furnace Cleanup Solids - Waste Generation

Solid Waste: No Copper Furnace Cleanup Solids waste was generated during the 4th Quarter 2011.

Decon Debris: No Decon and/or Debris associated with Copper Furnace Cleanup Solids shipments were generated during the 4th Quarter 2011.

Wastewaters/Sludges: No wastewater/sludges associated with the management of Copper Furnace Cleanup Solids were generated during the 4th Quarter 2011.

1.3 Scrubber Sludge/mixed with fines Work Plan for Sales of Facility Assets

1.3.1 Scrubber Sludge/mixed with fines Shipments

During the 4th Quarter 2011, the Estate sold approximately 2,840 Metric Tons (MT) of Scrubber Sludge/mixed with fines to California Metals and Alloy Corp. (CMAC) ~1,475 MT and H&H Metals ~1,365 MT. Fred Weber (FW) on behalf of the Estate and Paradigm Minerals & Environmental Services (Paradigm) loaded the Scrubber Sludge/mixed with fines into 1 MT supersacks. The supersacks were then loaded into 20-ft sea containers for shipment. Each sea container held 20 supersacks. A total of 144 - 20 ft. sea containers were loaded during the 4th Quarter 2011. A summary of the scrubber Sludge/mixed with fines that was shipped internationally during the 4th Quarter 2011 is shown on **Table 1** and is included in **Appendix A.**

1.3.2 Scrubber Sludge/mixed with fines- Demobilization and Decontamination

During the 4th Quarter 2011 FW completed setting up their equipment to perform the loading activities. Upon completion of this task, FW deconned the equipment used for setup inside the Dome Building prior to leaving the site. The decon water is contained within the confines of the Dome building, and will be managed properly after the completion of all loading activities.

1.3.3 Scrubber Sludge/mixed with fines - Waste Generation

Solid Waste: Solid waste associated with the Scrubber Sludge/mixed with fines was generated during the 4th Quarter 2011. The solids were determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes were temporarily placed in satellite containers (i.e. steel hopper) that were located adjacent to the west loading dock of the Dome building. The contents were transferred to a 40 cubic yard (CY) roll off that FW is using for disposal of hazardous waste during loading activities. The full 40 CY roll offs will be sent off for disposal.

Decon Debris: Small quantities of Decon and/or Debris associated with the Scrubber Sludge/mixed with Fines were generated during the 4th Quarter 2011. The decon debris was determined by generator knowledge to be "hazardous waste (D006, D008)." These wastes were temporarily placed in satellite container (i.e. steel hopper) that is currently located adjacent to the west loading dock of the Dome building. The contents were transferred to a 40 cubic yard (CY) roll off that FW is using for disposal of hazardous waste during loading activities. Full 40 CY roll offs were sent off for disposal during the 4th Quarter 2011.

Wastewaters/Sludges: Small quantities of wastewater/sludges associated with the management of Scrubber Sludge/mixed with fines were generated during the 4th Quarter 2011. The wastewater was generated while deconning the equipment. The wastewater is contained within the confines of the Dome building, and will be managed properly after the completion of all loading activities.

1.4 Scrap Metal Work Plan for Sales of Facility Assets

As previously stated in the 3rd Qtr 2010 Report, the Scrap Metal Work Plan was submitted to the Illinois Environmental Protection Agency (IEPA) on September 24, 2009 for approval, but was not implemented as submitted. Instead, all scrap metal shipments were made under the approved Demolition Work Plan and are described in Section 1.5.1. However, during the 1st Qtr, 2011, the Estate spoke with IEPA to confirm work plan approval so that scrap metals not associated with the demolition activities could be sold and shipped separately. Non demolition scrap metal shipments are described below.

1.4.1 Scrap Metal Shipments

No scrap metal Shipments were made during the 4th Quarter 2011.

1.4.2 Scrap Metals - Demobilization and Decontamination

No demobilization and decontamination activities associated with scrap metal shipments occurred during the 4th Quarter 2011.

1.4.3 Scrap Metals – Waste Generation

Solid Waste: No Solid Wastes associated with the shipments of scrap metals were generated in the 4th Quarter 2011.

Decon Debris: No Decon and/or Debris associated with the shipments of scrap metals were generated in the 4th Quarter 2011.

Wastewaters/Sludges: No wastewater/sludge associated with the management of Scrap Metals was generated in the 4th Quarter 2011.

All other demobilization and decontamination and waste generation associated with scrap metals associated with demolition activities as described under the approved Demolition Work Plan are presented in Section 1.5.1.

1.5 Demolition Work Plan for Sales of Facility Assets

On June 24, 2010, the Demolition Work Plan (Demo Plan) was approved by IEPA. American Integrated Services (AIS) is the demolition subcontractor for Industrial Asset Disposition (IAD) and as such, is performing all the demolition activities. Refer to **Figure 1** for location of the demolition areas.

Demolition activities began during the 3rd Quarter 2010 and continued through the 4th Quarter 2010. Demolition activities were temporarily shutdown during the 1st and 2nd Quarter 2011. As stated in the 2nd Quarter 2011 Report, on June 22, 2011 a Kick-Off Meeting was held between the IEPA, USEPA, AIS, the Estate, and Paradigm Minerals (Paradigm) on site to announce that demolition activities were to resume during the 3rd Qtr, 2011. AIS resumed demolition activities after the 4th of July, 2011. Demolition activities resumed during the 3rd Quarter 2011 and eventually completed in the 4th Quarter 2011.

Prior to completion of demolition activities, IEPA requested a meeting between AIS, the Estate, and IEPA to identify remaining areas that required attention, and address outstanding issues prior to demobilization by AIS. The meeting was held on December 5, 2011, and after the meeting IEPA submitted an action item list that identified actions to be completed prior to AIS demobilization.

On December 14, 2011 an exit meeting was attended by IEPA, USEPA, AIS, Estate of Chemetco, and Paradigm Personnel to confirm that all of the action items had been completed. In addition, a deliverables schedule was discussed during the meeting. A Demolition Summary Report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012. On December 16, 2011AIS demobilized after the completion of the demolition activities.
Below is a summary of the final demolition scrap metal shipments during the 4th Quarter 2011.

1.5.1 Demolition Work Scrap Metal Shipments

Demolition activities were completed by December 16, 2001 and all scrap metal shipments associated with demolition activities were shipped out during the 4th Quarter 2011. The remaining scrap metal was generated mainly from the foundry building, the baghouse structure and to a lesser extent, the AAF area.

The various types of scrap metal/steel included carbon steel beams, copper wire, aluminum conduit, stainless steel and other miscellaneous steel. All the scrap metals shipments were made in accordance with the Demolition Work Plan. Approximate 2,063 tons of scrap steel/metal from the Foundry Building, and baghouse was cut, removed, loaded and shipped to Grossman Steel out of St. Louis. Also, approximately 97 tons of stainless steel duct system from the AAF area was cut, removed, loaded and shipped to Hi-Lite International out of California for International export. In addition, approximately 18 tons of copper wire was removed from the Foundry building and AAF area, loaded and shipped to Interco Trading Company out of St. Louis. Also, approximately 3 tons of Aluminum conduits was removed from the Foundry building, loaded and shipped to Didion Company out of St. Louis.

Table 2 presents a summary of all the scrap metal shipped during the 4th Quarter 2011. **Table 3** presents a summary of all historical scrap metal material shipments to date. It should be noted that the **table 3** includes scrap metal shipments associated with both; demolition scrap metal and non demolition scrap metal. **Tables 2** and **3** are included in **Appendix B.**

1.5.2 Demolition Work Scrap Metals - Demobilization and Decontamination

As described in the approved Demolition Work Plan, AIS performed the demolition and decontamination activities. The scrap metal was decontaminated by gross decontamination and removal of visible impacted material from the scrap metal by sweeping with brooms, and shaking, the scrap metal, if visible impacted material remained on the scrap metal, the scrap metal was decontaminated use a high pressure wash. The stainless steel was gross decontaminated and attempted to pressure wash it. It should be noted that some of the lead layer/film could not be completely removed. Originally, the spent decon water was stored in the two frac tanks located north east adjacent to the Tank House, and south adjacent to the Dome Building. During the 3rd Quarter 2011, AIS verbally requested, and received permission from IEPA to recycle the spent decon water from the frac tanks. The recycled decon water was used during the deconning of the interior of the foundry building, and during the deconning of the stainless steel. Additional decon water from, deconning of equipment was added to the frac tank. A water sample was collected by the Estate from each of the frac tanks to assess proper disposal of wastewater. A copy of analytical results is included in **Appendix D**.

1.5.3 Demolition Work Scrap Metals – Waste Generation

Solid Waste: Solid waste associated with the demolition activities was generated during the 4th Quarter 2011. The solid waste was placed in 40 CY roll offs provided by Midwest Services. A total of four 40 CY roll offs were filled and sent to Roxana Landfill for disposal.

Decon Debris: Decon Debris associated with the demolition activities such as removal of scrap metals was generated during the 4th Quarter 2011. Personal Protective Equipment (PPE) was placed in 55-gallon drums used as satellite containers. Once the drums were full, the contents were transferred to on site 40 CY roll offs designated for disposal of hazardous material.

Wastewaters/Sludges: Wastewater/sludges associated with the management of metal scraps shipments were generated during the 4th Quarter 2011. Wastewater/sludges associated with the management of Metal Scraps were generated during decontamination activities, and the spent water was stored in either of the two Baker Frac Tanks located on Site. One Baker Frac tank is located adjacent to the north side of the Tank House, and the second Baker Frac tank is located south, south east of the Dome Building, north of the Furnace Building. Wastewater associated with decontamination activities of the tank house was pumped to the Baker Frac Tank located adjacent to the Tank House. During the 3rd Quarter 2011, AIS verbally requested, and received permission from IEPA to recycle the spent decon water from the frac tanks. The recycled decon water was used during the deconning of the interior of the foundry building, and during the deconning of the stainless steel. Additional decon water from, deconning of equipment was added to the frac tank. A water sample was collected by the Estate from each of the frac tanks to assess proper disposal of wastewater. A copy of analytical results is included in **Appendix D**.

1.6 Work Plans for RCRA Closures

1.6.1 Brick Shop Container Storage Area Closure Status

A "No Further Action" (NFA) letter was issued by IEPA on March 3, 2010, As such, no further action is required, and closure of the Brick Shop Container Storage Area is considered complete.

1.6.2 AAF Decontamination Area and Sump Closure Status

On June 24, 2010, a Demolition Work Plan (Demo Plan) was approved by IEPA.

The AAF SWMU closure work was incorporated into the Demo Plan and closure work was scheduled to be performed under the Demo Plan. Decontamination of the

AAF area and sump closure was performed during the 3rd and 4th Quarter 2010. According to AIS, the sump area was pressured washed with water from the deep well, and the discharge pipe sealed with concrete. Demolition activities were shut down by AIS during the 1st and 2nd Qtr. 2011 AIS resumed demolition activities during the 3rd Quarter and the demolition work were completed during 4th Qtr 2011. Due to cold temperatures and inclement whether, most of AAF area remains underwater at various places. On December 14, 2011 during the demobilization exit meeting the IEPA, USEPA, AIS, Estate of Chemetco, and Paradigm Personnel discussed a deliverables schedule. A Demolition Summary Report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012. An AAF Decontamination Area and Sump Area Closure Report will be submitted as an Appendix to the Demolition Summary Report

1.6.3 Black Acid Tank Closure Status

The Black Acid Tank (located inside the southeast corner of the Tank House) is considered a RCRA Solid Waste Management Unit (SWMU). As such, the tank closure should follow RCRA closure guidelines. The Black Acid Tank closure was incorporated into the Demo Plan and the work was scheduled to be performed under the Demo Plan. During the 3rd and 4th Quarter 2010, the Black Acid Tank was removed from the Tank House cut in half, and moved east of the Tank House Building where it waits for disposal. The area within the Black Acid Tank was pressured washed and water was allowed to evaporate, remaining water was contained in the frac tank. Demolition activities were shut down by AIS during the 1st and 2nd Qtr. 2011. . AIS resumed demolition activities during the 3rd Quarter and the demolition work was completed during 4th Qtr 2011. The Black Acid Tank was loaded and taken by Grossman Steel for recycling. A copy of a certificate of recycling from Grossman Steel is included in **Appendix B**.

On December 14, 2011, a meeting between IEPA USEPA, the Estate, and Paradigm personnel was held at the site to discuss deliverables for the completion of demolition work. During the meeting, IEPA indicated that the Black Acid Tank would not be able to obtain closure status. A Demolition Summary Report is due by March 15, 2012.

1.6.4 Foundry Building, AAF System, and Tank House Demolition Work Plan (Demo Plan) Status

On June 24, 2010, the Demo Plan was approved by IEPA. The demolition work activities began in June during the 3rd Quarter 2010 and continued through the 4th Quarter 2011, Demolition activities were shutdown in January during the 1st Quarter 2011 through the 2nd Quarter 2011. Demolition activities by AIS resumed in July during the 3rd Quarter 2011. Demolition activities were completed in the 4th Quarter 2011 and on December 16, 2011 AIS demobilized from the site. During the 4th Quarter, the remainder of the Foundry building was demolished. The baghouse adjacent to the Foundry building was also taken down. All of the bag filters were placed in 40 CY rolls off containers for disposal as hazardous waste material. The Black Acid Tank that was located in the Tank House was sent out for disposal as recyclable material. Grossman Steel provided a certificate of recycling for the Black Acid tank. Universal Waste was removed from the offices in the foundry building. Also, granular fines recovered within the Foundry Building were stockpiled and covered with plastic for possible future use. Also five above ground storage tanks (AST) were removed. One AST was located within the AAF and contained solidified Caustic Soda or Sodium Hydroxide (NaOH). The contents of the Caustic Tank was placed in plastic and sampled for analysis. Due to the high pH content, it was determined that the material would be handled as Hazardous Material, as such, the material was placed in a lined 20 CY roll off for disposal. The three AST's that were located adjacent to polishing pits were also taken down and disposed of. The last AST was located west of the Tank House. This tank had been previously decontaminated by the Estate and rendered non-usable.

The hydraulic bailer room was also taken down. The furnaces inside the foundry building were pressure washed and left in place.

Remaining scrubber sludge and other fines were gathered by AIS taken to the Fines building. The sand bags and sand berms were removed by AIS and placed in a concrete bunker for future disposal.

In addition, there were discussions between AIS and Paradigm regarding the potential use of the two above ground buildings and baghouse control room that were left in place.

1.6.5 Furnace Removal Work Plan

Conversations between Metallo Company out of Belgium and the Estate have resumed and as such, negotiations for the site furnaces are underway. In accordance to the approved Demo Plan, the Furnaces were hosed down to remove dust from decontamination activities, but were not taken down and remain in place. Any changes on the status of the furnaces will be conveyed to the IEPA and USEPA in a timely manner.

1.7 Waste Management

During the 4th Qtr. 2011, Twenty six 40 CY roll off containers and two 20 CY roll off containers containing Hazardous Waste material were generated during the completion of demolition work and scrubber sludge/mixed with fines loading activities. The hazardous waste material was placed in appropriate containers and properly labeled.

17.1 Hazardous Waste

Satellite Containers: At the end of the 4th Quarter 2011 the Estate had two to three satellite containers by the Dome building that are being used by FW during loading of Scrubber Sludge/mixed with fines:

- Two to three satellite containers are located along the west loading dock of the dome building and are used to dispose of miscellaneous debris, (i.e., plastic, wood, concrete and paper) that is mixed within the scrubber sludge/mixed with fines. Once the satellite containers are full, they are emptied in a 40CY roll off that will be sent out for disposal.

1.7.2 Hazardous Waste Containers – Awaiting Disposal

The following containers were generated during the 4th Quarter 2011 and are awaiting disposal.

- One 40 CY roll off container of hazardous waste. The roll off contain miscellaneous debris (i.e. wood debris, fiber supersacks, PPE, insulation, etc.) impacted with lead and cadmium and were generated from scrubber sludge/mixed with fines loading activities.
- Thirteen 40 CY roll off containers of hazardous waste material.
  The roll offs contain miscellaneous demolition debris (i.e. wood debris, plastic pipes, PPE, insulation, scrap metals, etc.) impacted with lead and cadmium and were generated from the Foundry Building, baghouse, and AAF area.

- Two 20 CY roll off containers of hazardous waste material. The roll offs contain primarily miscellaneous demolition debris (i.e. wood debris, plastic pipes, scrap metals, surface spills, etc.) impacted with lead and cadmium, caustic soda and were generated from the Foundry Building, baghouse, and AAF area.

1.7.3 Hazardous Waste Disposal

The Estate disposed of the following Hazardous Waste during the 4th Qtr 2011.

- Eleven 40 CY roll off containers of hazardous waste. The roll offs contained primarily miscellaneous demolition debris (i.e. wood debris, plastic pipes, scrap metals, surface spills, sludge, bag filters, etc.) impacted with lead and cadmium and were generated from the Foundry Building, Bag house and AAF Area. The eleven 40 CY were picked up for disposal between October 25 and December 12, 2011 of the 4th Qtr 2011. Copies of the Hazardous Waste Manifest are included in **Appendix C**.
- One 40 CY roll off container of hazardous waste. The roll off contain miscellaneous debris (i.e. wood debris, fiber supersacks, PPE, insulation, etc.) impacted with lead and cadmium and were generated from scrubber sludge/mixed with fines loading activities. The 40 CY was picked up for disposal on November 30, 2011 of the 4th Qtr 2011. A copy of the Hazardous Waste Manifest is included in **Appendix C**.
- **Other containers:** As part of demolition activities, AIS collected material considered to be "Universal Waste" (i.e. ballasts, fluorescent light bulbs, mercury switches, etc.). Universal waste was categorized, packaged and picked up by Heritage Environmental which acted as a subcontractor to AIS. The Universal Waste was picked up for disposed on November 11, 2011 of the 4th Quarter 2011. A copy of the Hazardous Waste Manifest is included in **Appendix C**.

A summary of hazardous waste disposed during the 4th Quarter 2011 is presented in **Table 4**. A summary of all historical hazardous waste disposals to date is presented in **Table 5. Tables 4** and **5** are located in **Appendix C**.

1.7.4 Disposal of Non-Hazardous Waste(s)

The Estate generates non-hazardous waste (ex. empty paper and administrate office, bathrooms and lunch room) during the 4th Quarter 2011.

These wastes were disposed in the site's municipal waste dumpster serviced by Robert Sanders Waste Systems, Inc. at the Roxanna Landfill. These wastes are considered everyday normal waste and are not included in any tables associated with Demolition Activities.

During demolition activities AIS generated Five - 40 CY roll off containers of non-hazardous waste. These containers were picked up by Midwest Services and taken to the Roxana Landfill for disposal during the 4th Qtr 2011.

A summary of non-hazardous waste disposed during the 4th Quarter 2011 is presented in **Table 6**. A summary of all historical non-hazardous waste disposals is presented in **Table** 7 located in **Appendix C**.

1.8 Operation and Maintenance Status

1.8.1 Operations and Maintenance Plans Status

On October 24, 2008, the Estate submitted to the State of Illinois the following required Operation and Maintenance Plans that are currently awaiting approval by IEPA:

(1) Fugitive Emissions Plan
(2) Stormwater Management Plan
(3) Groundwater Monitoring Plan
(4) Security Plan

1.8.2 Fugitive Emissions Plan

There was no evidence of reportable fugitive emissions during the 4th Quarter 2011 on the Chemetco site.

1.8.3. Stormwater Management Plan

As required by the Estate's NPDES Permit IL0025747 Outfall #005, copies of the electronically Discharge Monitoring Reports and analytical results for the discharge of stormwater from the Stormwater Basin for the months of October, November, and December 2011. A summary of the 4th Quarter 2011 analytical results are shown in **Table 8** located in **Appendix D**.

1.8.4 Groundwater Monitoring Plan

The Estate does not perform any groundwater monitoring.

1.8.5 Security Plan

On May 14, 2010, the Estate and IAD secured the services of Securitas to provide security for the site during after working hours (i.e. 7:00 pm to 3:00 am Monday thru Sunday). In addition, at the request of USEPA, the Estate submitted a "Security Plan and Action Items" on May 25, 2010. The objective of the Security Plan was to address areas of security deficiency, and securing areas of the site where trespassers could gain access to the interior of the site and conceivably pose a potential risk to human health.

Nearly all of the Action Items were completed during the 4th Quarter 2010, as such, the Estate requested, and USEPA agreed to reduce the weekly submittals to bi-weekly. During the 1st Qtr 2011, the Estate requested and USEPA conditionally agreed to reduce the bi-weekly submittals to monthly submittals starting the May 27, 2011. The initial submittal included a project forecast to describe when site will be restored to existing condition prior to demolition activities. A revised proposed schedule was submitted to USEPA on August 31, 2011.

Since the 2nd Quarter 2011 the Estate has been submitting monthly security reports. Now that demolition activities have been completed, the Estate has begun to restore (where applicable) portions of the Site to pre-demolition conditions. The Estate restored the discharge pipes from the southeast and southwest sumps to return stormwater discharge to the onsite canals.

Monthly security reports submitted during the 4th Qtr 2011 are included in **Appendix E**.

SECTIONTWO Summary of Results

2.0 Summary of Results of Sampling, Tests, and Other Data Received in 4th Quarter 2011:

2.1 Sales Materials Shipping Data. A total of ~2,840 MT of Scrubber Sludge/mixed with fines was sold to CMAC (~1,475 MT) and H&H Metals (~1,365 MT) and shipped during the 4th Qtr. 2011. In addition, a total of ~2,062 tons of carbon steel, ~97.5 tons of Stainless steel, ~17.9 tons of Copper wire, ~3.2 tons of Aluminum conduit associated with demolition activities were sold and shipped during the 4th Qtr 2011. Sale and shipping activities are described in Section 1. Summary **tables (1, 2, and 3)** of shipping data generated during the 4th Quarter 2011 are included in **Appendix A** and **Appendix B,** respectively.

2.2 Stormwater Release Data

The Estate of Chemetco manages stormwater through the NPDES Permit IL0025747 Outfall #005 (Stormwater Retention Basin). Surface water samples are collected monthly. Analytical data of eDMR (Electronic Discharge Monitoring Report) are electronically submitted to IEPA via state's website. Hard copies of eDMR forms are included in **Appendix D.**

During the 4th Quarter 2011, all parameters and constituents were below IEPA Effluent Water Quality Standards, except for Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), Lead, Zinc, and Nitrogen. COD results for October, November, and December were above the IEPA Effluent Water Quality Standards. TSS results for September and October exceeded IEPA Effluent Water Quality Standards. Lead and Nitrogen results for November exceeded IEPA Effluent Water Quality Standards. Zinc results for November and December exceed IEPA Effluent Water Quality Standards. During November, AIS removed the perimeter sandbags along the southern portion of the facility adjacent to the foundry building and baghouse. It is plausible that some of the baghouse dust may have been washed into the southwest sump, and ultimately discharged to the retention basin.

Table 8 presents a summary of 4th Quarter, 2011 analytical results and is included in **Appendix D.**

SECTIONTHREE Completed Deliverables

3.0 Identify Submitted and Completed Work Plans and Other Deliverables Required by Interim Order in 4th Quarter 2011

3.1 The Estate submitted Work Plans and Other Deliverables as follows:

3.1.1 Interim Order 3rd Quarter 2011 Progress Report

The Estate submitted the 3rd Quarter 2011 Progress Report, Interim Order (Civil Case No. 00-670-DRH, 00-677-DRH (consolidated)), dated November 4, 2011 to Erin Rednour, IEPA and James Morgan, Attorney General's office as required by the Interim Order. It should be noted that the Interim Order, which was set to expire on September 16, 2011, has been extended through February 1, 2012 to allow continuation of existing work.

3.1.2 Demolition Work Plan

The Demolition Work Plan was submitted to IEPA on May 6, 2010. The Demolition Work Plan was approved by IEPA on June 24, 2010. The demolition work activities began in June during the 3rd Quarter 2010 and continued through the 4th Quarter 2010, Demolition activities were shutdown in January during the 1st Quarter 2011 through the 2nd Quarter 2011. Demolition activities by AIS resumed in July during the 3rd Quarter 2011. Demolition activities were completed in the 4th Quarter 2011 and on December 16, 2011 AIS demobilized from the site. On December 14, 2011, a meeting between IEPA USEPA, the Estate, and Paradigm personnel was held at the site to discuss deliverables for the completion of demolition work. A Demolition Summary Report that is due by March 15, 2012 of the 1st Quarter 2012.

3.1.3 Scrubber Sludge Work Plan

On October 14, 2010, The Estate of Chemetco and Paradigm Minerals submitted a Work Plan to IEPA requesting approval to sell Scrubber Sludge Material that is currently stored in the DIS building and Receiving Building. The Estate received deficiency comments from IEPA on November 4, 2010. The Estate addressed the comments and a revised Scrubber Sludge Work Plan was submitted to IEPA on November 24, 2010. The Estate and Paradigm received conditional approval from IEPA on February 9, 2011. During the 2nd Qtr 2011, the Estate and Paradigm negotiated the sale of the Scrubber Sludge mixed with fines (approximately 3,000 to 3,500 mt) to H&H Metals out of New York. On April 29, 2011 the Estate submitted Notification of Winning Bidder and Signed Contract to IEPA. On May 10, 2011, the

SECTIONTHREE Completed Deliverables

Estate met on site with IEPA to discuss proposed changes to approved work plan. On the same day, the Estate submitted electronically via email an Addendum to the Work Plan describing proposed changes in order to properly load the material in sea containers. On June 2, 2011, the Estate received addendum approval to sell approximately 3000-3500 dry mt of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China. On July 26, 2001, the Estate and Paradigm received conditional approval of addendum to Scrubber Sludge Work Plan. Due to the volatile market, no scrubber sludge was shipped during the 3rd Quarter 2011. Loading of the material began in October 25, 2011. During the 4th Quarter 2011 approximately 45% of the material has been loaded and shipped.

3.2 Completed Work Plans and Other Deliverables

3.2.1 Cupro Work Plan

The Cupro Work Plan was completed in the 2nd and 3rd Quarter 2010. All of the Cupro Material has been sold, and no further shipment of saleable Cupro material is expected. COMPLETED.

3.2.2 Caustic Tank Work Plan

The Caustic Tank Work Plan was completed in the 4th Qtr 2010. The Caustic Tanks was sold to Tank Trailer Cleaning (TTC) and removed from the Site and no additional work associated with the Caustic Tank is expected. COMPLETED.

3.2.2 Other Deliverables - Contained herein are copies of:

1. Summary of Scrubber Sludge/mixed with fines shipments during 4th Quarter 2011, **Table 1** located in **Appendix A**.
2. Summary of 4th Quarter 2011 and historical Scrap Metal shipments, **Tables 2** and **3** located in **Appendix B**.
3. Summary of 4th Quarter 2011 Hazardous Wastes and Non-Hazardous Waste, and historical Hazardous Wastes and Non-Hazardous disposal during the 4th Quarter 2011 are included in **Tables 4, 5, 6** and 7 and are located in **Appendix C**.
4. Stormwater Discharge Monitoring Reports and summary of analytical results are presented in **Table 8** located in **Appendix D**.
5. Monthly Security Plan and Action Items Reports, located in **Appendix E.**

SECTIONFOUR Scheduled Actions for 1st Qtr 2012

4.0 Describe Actions Scheduled for 1st Quarter 2012 and Information Related to Progress.

4.1 Shipments Sales of Facility Assets

4.1.1 Pot Slag Shipments

Approximately less than 40 mt remain on site. The Estate expects to sell and ship the remaining Pot Slag Material in the foreseeable future.

4.1.2 Copper Furnace Cleanup Solids Shipments

During the demolition of the foundry building, additional CFCS material was accumulated and temporarily stored in the northwest corner of the foundry building. The Estate plans to assay the CFCS and prepare an addendum to the approved CFCS work plan to sell and ship the remaining CFCS during the 1st Qtr 2012.

4.1.3 Scrubber Sludge Shipments

The Estate began shipping Scrubber Sludge/mixed with fines during the 4th Quarter 2011, and expects to continue shipping during the 1st Quarter 2012.

4.2 Foundry Building, AAF System, and Tank House Demolition Work Plan (Demo Plan)

The demolition work under the approved demo work plan was completed on December 16, 2011.

4.3 Demolition Summary Report

A Demolition Summary Report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012.

4.4 Furnace Removal Work Plan

Metallo has renewed their interest on the 3-TBRC furnaces located inside the Foundry Building, and negotiations between the Estate and Metallo have resumed.
Now that the Foundry building has been taken down, the 3-TBRC furnaces are more accessible and easier to take down. Any changes on the status of the furnaces will be conveyed to the IEPA and USEPA in a timely manner.

SECTIONFOUR Scheduled Actions for 1st Qtr 2012

4.5 Pilot Plant Treatability Study

On January 8, 2010, AMEC Geomatrix, on behalf of IAD submitted to, IEPA a memo (Subject: Chemetco – Pilot Plant Treatability Study Processing of Metal Bearing Materials). IEPA, approved with "conditions." the study in a letter to IAD dated February 5, 2010.

During the 1st Qtr 2011, Paradigm submitted to IEPA and USEPA a Work Plan titled "Scrubber Sludge and Slag Work Plan" dated March 4, 2011. Paradigm continues to work on additional deliverables. During the June 22, 2011 Demolition Activities Kick-off Meeting, Paradigm personnel, informed the IEPA that an Interim Pilot Plant Report would be submitted to IEPA and USEPA during the 3rd Qtr 2011.

On August 15 of the 3rd Quarter 2011, Paradigm submitted a report titled "Supplemental Pilot Plant Summary Report" to IEPA and USEPA. Paradigm requested a meeting with IEPA and USEPA to discuss the contents of the report and hope to move forward towards obtaining approval to begin processing the Metal Bearing Material (MBM).

On December 14 of the 4th Quarter 2011, representatives of USEPA, IEPA, and Paradigm met at the Chemetco site to discuss the status of the Supplemental Pilot Plant Summary Report. USEPA and Paradigm continue discussions to obtain approval to begin the processing of MBM.

SECTIONFIVE Completed Action items

5.0 Percentage of Completion, Delays, and Mitigation

5.1 Shipments and Sales of Facility Assets

5.1.1 Cupro Shipments

Shipment of all saleable Cupro is 100% complete. The Estate shipped approximately 2,242 MT of Cupro. COMPLETED.

5.1.2 Pot Slag Shipments

Approximately 40-80 MT of Pot Slag remains on site and will be sold in the foreseeable future.

5.1.3 Copper Furnace Cleanup Solids Shipments

During the 4th Quarter 2011, approximately 400 MT of Copper Furnace Cleanup Solids was gathered from the interior of the Foundry building. The Estate expects to sell this material in the foreseeable future.

5.1.4 Scrubber Sludge/Mixed with Fines Shipments

During the 4th Quarter 2011, approximately 2,840 MT of Scrubber Sludge/Mixed with fines was shipped to CMAC (~1,475 MT) and H&H Metals (~1,365 MT), Approximate 45% of the work has been complete and will continue selling the remaining material during the 1st Quarter 2012.

5.1.5 Caustic Tank Work Plan

TTC removed the NaOH and the Poly AST during the 4th Quarter 2010 in accordance with the approved work plan. The tank was properly deconned by TTC using hot clean water brought from their facility, after deconning and removal of the water, the AST was loaded and transported to their facility in East St. Louis for their use. The Caustic Tank was removed and the work is deemed COMPLETED.

5.1.6 Demolition Work Plan

AIS completed the demolition of the Foundry Building, Baghouse, AAF Area, and the interior of the Tank House as described in the approved Demo Plan. A Demolition Summary Report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012.

SECTIONFIVE Completed Action items

5.2 Work Plans for RCRA Closures

5.2.1 Brick Shop Container Storage Area

100% complete and requires No Further Action and is considered CLOSED.

5.2.2 AAF Decontamination Area and Sump

The work has been incorporated into the approved Demolition Plan and will be completed as part of the demo work. A closure report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012 as an Appendix to a Demolition Summary Report.

5.2.3 Black Acid Tank

The work has been incorporated into the approved Demolition Plan and will be completed as part of the demo work. A summary report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012 as an Appendix to a Demolition Summary Report.

SECTIONSIX Modifications

6.0 Modifications to Work Plans or Schedules Proposed or Approved by IEPA:

6.1 Work Plan Modifications

The Interim Order was set to expire on September 16, 2011. The Estate, Paradigm and IEPA were able to agree and obtain an extension to the Interim Order till November 30, 2011 in order to complete the Demolition Work. Because the work was not completed, and additional extension was approved till February 1, 2012 to complete all of the work under the already approved work plans.

6.1.1 Pot Slag Work Plan

Notification and/or revisions to the current Pot Slag Work Plan will be submitted to IEPA and USEPA concerning future selling of the remaining Pot Slag on Site.

6.1.2 Copper Furnace Cleanup Solids Work Plan

An addendum to the Copper Furnace Cleanup Solids Work Plan was made during the 2nd Quarter 2011 to load the CFCS material from a different location as originally described. The addendum described using the west loading dock adjacent to the dome building because a portable loading ramp was not available. Notification and/or addendum to the current CFCS Work Plan will be submitted to IEPA and USEPA concerning future selling of the remaining CFCS on Site. During the demolition of the foundry building, additional CFCS material was accumulated and temporarily stored in the northwest corner of the foundry building. The Estate plans to assay the CFCS and prepare an addendum to the approved CFCS work plan to sell and ship the remaining CFCS during the 1st Qtr. 2012.

6.1.3 AAF Decontamination Area and Sump

RCRA Closure Plan has been incorporated into the Demo Plan. A RCRA Closure Report will be submitted within 60 days of completion of the demo work. A closure report will be submitted to IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012 as an Appendix to a Demolition Summary Report.

6.1.4 Black Acid Tank

RCRA Closure Plan has been incorporated into the Demo Plan. During the December 14, 2011 meeting, the IEPA indicated that the Black Acid Tank would not obtain approval for closure status. As such, a summary report will be submitted to

SECTIONSIX Modifications

IEPA and USEPA by March 15, 2012 of the 1st Quarter 2012 as an Appendix to a Demolition Summary Report.

6.1.5 Scrubber Sludge Work Plan

During the 2nd Qtr 2011, the Estate and Paradigm negotiated the sale of the Scrubber Sludge and Scrubber Sludge mixed with fines to H&H Metals out of New York. On April 29, 2011 the Estate submitted Notification of Winning Bidder and Signed Contract. On May 10, 2011, the Estate met on site with IEPA to discuss proposed changes to approved work plan. On the same day, the Estate submitted electronically via email an Addendum to the Work Plan describing proposed changes in order to properly load the material in sea containers.

On June 2, 2011, the Estate received approval to sell approximately 3,000-3,500 dry MT of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China. Due to changes in international regulations, the scrubber sludge was required to be shipped in 1MT supersacks. Because the Estate's bagging mechanism was destroyed, Fred Weber Inc. (FW) was subcontracted by Paradigm to assist with the loading of the supersacks. On July 18, 2011 an Addendum depicting the supersack loading activities was submitted to IEPA. On July 26, 2011 the Estate of Chemetco received from IEPA conditional approval to proceed with the loading of Scrubber Sludge in 1MT Supersacks.

6.2 Schedule Modifications

On June 22, 2011 a Kick-Off Meeting was held at the site for AIS to inform the IEPA and USEPA their intention to resume demolition activities during the 3rd Qtr, 2011. AIS estimated that it will take approximately 2 to 3 months to complete the work. IEPA and USEPA requested that a revised work schedule. The revised work schedule was submitted during the 3rd Quarter 2011. The work was completed 2 months later than originally planned, but no modifications were made to the schedule.

6.2.1 Pot Slag Work Plan

Approximately 20 mt remain to be shipped. The Estate will negotiate with potential purchasors, all of whom have previously purchased Pot Slag. After notification and/or revisions to the Work Plan, the remaining Pot Slag will be sold in the foreseeable future.

6.2.2 Copper Furnace Cleanup Solids Work Plan

Additional CFCS were gathered from the interior of the Foundry building. An Addendum to the approved work plan will be submitted during the 1st Quarter 2012 to allow selling of the additional CFCS. The Estate expects to ship the CFCS to Aurubis AG during the 1st Qtr. 2012.

6.2.3 Scrubber Sludge/mixed with fines Work Plan

During the 2nd Qtr. 2011, the Estate and Paradigm negotiated the sale of the Scrubber Sludge and Scrubber Sludge mixed with fines to H&H Metals out of New York. On April 29, 2011 the Estate submitted Notification of Winning Bidder and Signed Contract. On May 10, 2011, the Estate met on site with IEPA to discuss proposed changes to approved work plan. On the same day, the Estate submitted electronically via email an Addendum to the Work Plan describing proposed changes in order to properly load the material in sea containers.

On June 2, 2011, the Estate received approval to sell approximately 3,000-3,500 dry MT of Scrubber Sludge mixed with fines to H&H Metals, for Jiangxi Chenfei Cooper Industry Co, Ltd located in China. Due to changes in international regulations, the scrubber sludge was required to be shipped in 1MT supersacks. Because the Estate's bagging mechanism was destroyed, Fred Weber Inc. (FW) was subcontracted by Paradigm to assist with the loading of the supersacks. On July 18, 2011 an Addendum depicting the supersack loading activities was submitted to IEPA. On July 26, 2011 the Estate of Chemetco received from IEPA conditional approval to proceed with the loading of Scrubber Sludge in 1MT Supersacks.

6.2.4 Pilot Plant Treatability Study

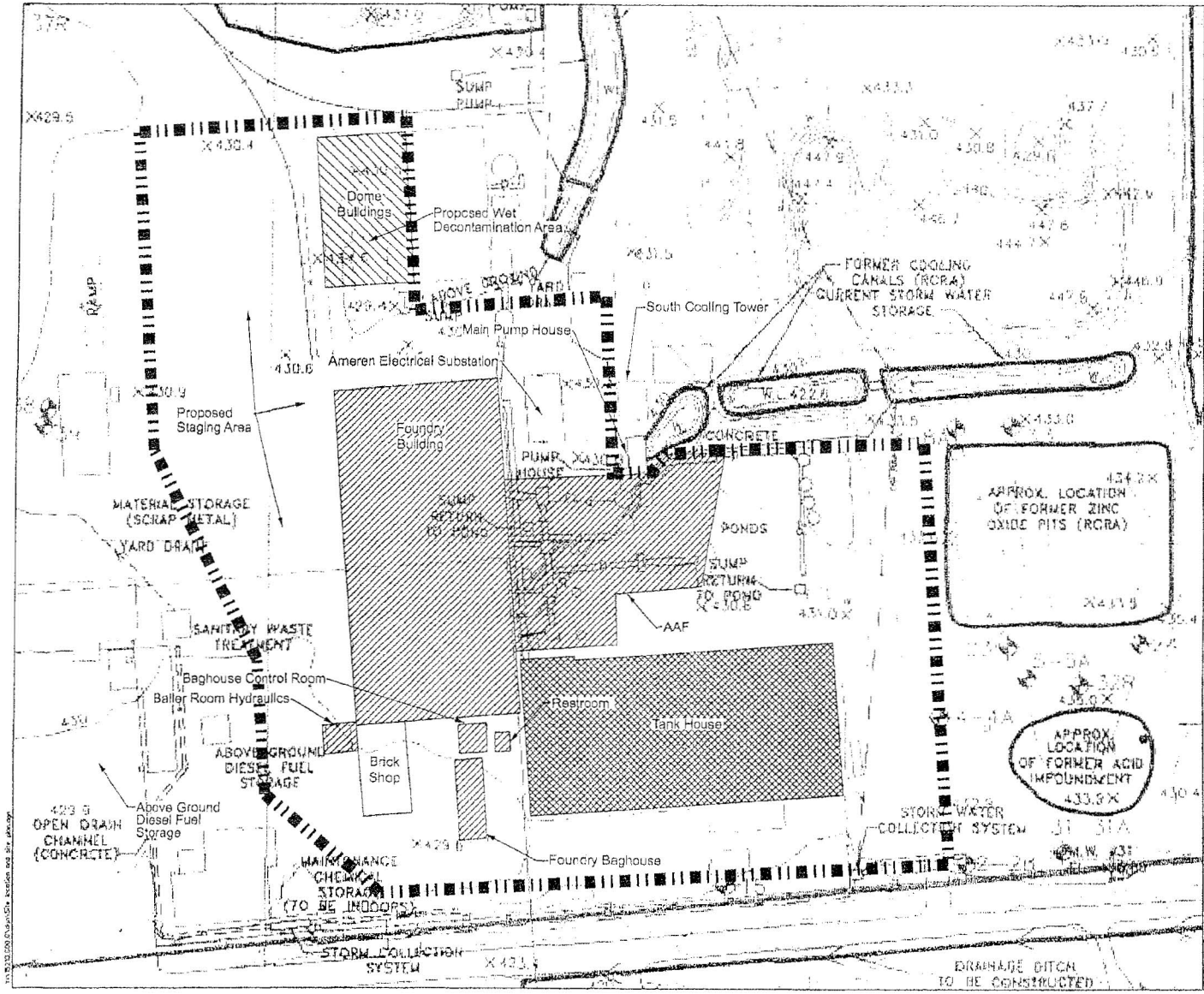
The Pilot Plant Treatability Study work continues to operate on a trial run basis. At this time, there is no firm date as to completion of process development work. During the 2nd Qtr 2011, Paradigm submitted a work plan titled "Scrubber Sludge and Slag Process Plan" dated March 4, 2011. Paradigm continues to work on additional deliverables. During the June 22, 2011 Demolition Activities Kick-off Meeting, Paradigm personnel, informed the IEPA that an Interim Pilot Plant Report could be submitted to IEPA and USEPA during the 3rd Qtr 2011. On August 15, 2011, Paradigm submitted a report titled "Supplemental Pilot Plant Summary Report" to IEPA and USEPA.

6.2.5 Demolition Work Plan

Final Demo Work Plan was approved by IEPA on June 24, 2010. Demolition work began in June 3rd Quarter 2010. Demolition work in the Tank House Building has been completed. In addition, the majority of the work in the AAF area has been completed and work has begun along the eastern sidewall of the foundry building. The main power was shut off on December 3, 2010 to complete the work in the AFF area and begin work in the foundry building. Temporary generators were brought it to provide temporary power. Due to inclement whether, AIS informed IEPA and USEPA their intention to shutdown demolition activities. . No Demolition activities occurred between January 19, 2011 of the 1st Qtr 2011 and June 30, 2011 of the 2nd Qtr 2011.

On June 22, 2011 a Kick-Off Meeting was held at the site for AIS to inform the IEPA and USEPA their intention to resume demolition activities in July during the 3rd Qtr, 2011. AIS estimated that it will take approximately 2 to 3 months to complete the work. IEPA and USEPA requested that a revised work schedule be provided. The revised schedule was included as Figure 2 of the 3rd Quarter 2011 Progress Report. Demolition activities resumed after July 4, 2011 and were completed on December 16, 2011. No adjustments to the schedule were made.

Figure



PROPOSED DEMOLITION PLAN
Former Chemetco Site
3754 Chemetco Lane
Hartford, Illinois

By: pah	Date: 05/06/10	Project No: 15210
AMEC Geomatrix		Figure 1

APPENDIX A Scrubber Sludge/Mixed with Fines Shipments

TABLE 1

Summary of Scrubber Sludge/mixed with fines Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	10/26/2011	50480	MEDU 672108-0	19,893	19.89
	2	10/26/2011	50481	MSCU 105790-1	19,702	19.70
	3	10/27/2011	50482	GLDU 512907-5	20,518	20.52
C	4	10/27/2011	50483	MEDU 399990-4	20,091	20.09
M	5	10/28/2011	50484	GLDU 334013-4	19,826	19.83
A	6	10/28/2011	50485	TCKU 323567-4	19,875	19.88
C	7	10/28/2011	50486	TRLU 888921-0	20,391	20.39
	8	10/28/2011	50487	MEDU 612964-1	20,070	20.07
	9	10/31/2011	50488	MEDU 611760-9	20,111	20.11
	10	10/31/2011	50489	MEDU 611462-1	20,243	20.24
	11	10/31/2011	50490	GLDU 335567-0	20,163	20.16
	12	10/31/2011	50491	CARU 220915-3	20,109	20.11
	Total Scrubber Sludge/mixed with Fines Shipped in October :				**240,992**	**241**
	1	11/1/2011	50491	MEDU 351891-1	20,182	20.18
	2	11/1/2011	50492	MEDU 233219-9	20,227	20.23
	3	11/1/2011	50493	MSCU 305186-2	20,026	20.03
	4	11/1/2011	50494	MEDU 658727-0	20,313	20.31
	5	11/1/2011	50495	MSCU 125440-7	20,134	20.13
	6	11/2/2011	50496	MEDU 249061-4	20,243	20.24
	7	11/2/2011	50497	GLDU 396860-3	20,139	20.14
	8	11/4/2011	50498	MSCU 635384-5	20,178	20.18
C	9	11/4/2011	50499	MEDU 660763-2	20,285	20.29
M	10	11/4/2011	50500	MSCU 307407-1	20,209	20.21
A	11	11/4/2011	50501	MEDU 648164-7	20,270	20.27
C	12	11/4/2011	50502	TGHU 340349-7	19,824	19.82
	13	11/7/2011	50503	FSCU 313097-0	19,656	19.66
	14	11/29/2011	50504	MSCU 341356-0	19,806	19.81
	15	11/29/2011	50505	MSCU 329369-7	19,807	19.81
	16	11/29/2011	50506	MEDU 101377-2	19,770	19.77
	17	11/29/2011	50507	MSCU 332190-5	19,807	19.81
	18	11/30/2011	50508	CAXU617240-1	19,813	19.81
	19	11/30/2011	50509	MEDU 645666-5	19,809	19.81
	20	11/30/2011	50510	TPHU 820127-0	19,810	19.81
	21	11/30/2011	50511	MEDU 244619-1	19,802	19.80
	Total Scrubber Sludge/mixed with Fines Shipped in November :				**420,110**	**420**

TABLE 1

Summary of Scrubber Sludge/mixed with fines Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	12/1/2011	50512	MSCU 132227-1	19,809	19.81
	2	12/1/2011	50513	TCLU 213251-3	10,801	10.80
	3	12/2/2011	50514	GLDU 507841-9	19,854	19.85
	4	12/2/2011	50515	MSCU 240922-6	19,807	19.81
	5	12/2/2011	50516	CAIU 273165-0	19,811	19.81
	6	12/2/2011	50517	MEDU 640866-7	10,791	10.79
	7	12/2/2011	50518	DFSU 244050-6	19,771	19.77
	8	12/5/2011	50519	MEDU 175344-4	19,809	19.81
	9	12/5/2011	50520	GLDU 394641-4	19,811	19.81
	10	12/5/2011	50521	MEDU 243995-2	19,792	19.79
	11	12/5/2011	50522	CAIU 280639-0	19,811	19.81
	12	12/5/2011	50523	CAIU 280626-0	19,808	19.81
	13	12/5/2011	50524	MEDU 277071-8	19,810	19.81
	14	12/6/2011	50525	MEDU 645660-2	19,808	19.81
	15	12/6/2011	50526	MSCU 208888-8	19,803	19.80
	16	12/6/2011	50527	MEDU 643511-1	19,806	19.81
	17	12/6/2011	50528	MSCU 166839-3	19,800	19.80
	18	12/7/2011	50529	CAIU 280625-5	19,807	19.81
	19	12/7/2011	50530	MSCU 189551-9	19,810	19.81
	20	12/7/2011	50531	MEDU 116877-4	19,806	19.81
	21	12/8/2011	50532	MEDU 212783-0	19,810	19.81
	22	12/7/2011	50533	CLHU 275722-7	19,811	19.81
	23	12/7/2011	50534	MSCU 154260-9	19,811	19.81
C	24	12/7/2011	50535	GLDU 519112-7	19,813	19.81
M	25	12/8/2011	50536	MSCU 203421-7	19,811	19.81
A	26	12/8/2011	50537	MEDU 161288-9	19,819	19.82
C	27	12/9/2011	50538	MEDU 639471-1	19,808	19.81
	28	12/9/2011	50541	MEDU 621498-0	19,810	19.81
	29	12/9/2011	50539	MEDU 308320-7	19,815	19.82
	30	12/9/2011	50540	MSCU 145135-0	19,808	19.81
	31	12/9/2011	50542	FSCU 341936-6	19,807	19.81
	32	12/9/2011	50543	MSCU 243989-5	19,811	19.81
	33	12/9/2011	50544	CARU 213675-6	19,810	19.81
	34	12/12/2011	50545	TRLU 884486-0	19,805	19.81
	35	12/12/2011	50546	MEDU 378884-0	19,810	19.81
	36	12/12/2011	50547	MEDU 326660-9	19,811	19.81
	37	12/12/2011	50548	FSCU 353295-8	19,810	19.81
	38	12/13/2011	50549	GATU 032033-8	19,813	19.81
	39	12/13/2011	50550	CRXU 232324-8	19,812	19.81
	40	12/13/2011	50551	IPXU 385950-9	19,811	19.81
	41	12/13/2011	50552	GLDU 508538-3	19,813	19.81
	42	12/14/2011	50553	CRXU 206754-7	19,813	19.81
	Total Scrubber Sludge/mixed with Fines Shipped in December :				813,967	814

TABLE 1
Summary of Scrubber Sludge/mixed with fines Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	11/7/2011	49875	GSTU517759-2	19,774	19.77
	2	11/8/2011	49876	ECMU151997-6	19,802	19.80
	3	11/8/2011	49877	ECMU196142-1	19,808	19.81
	4	11/8/2011	49878	TEMU258915-3	19,799	19.80
	5	11/8/2011	49879	CMAU111289-0	19,802	19.80
	6	11/8/2011	49880	BMOU 217455-4	19,633	19.63
	7	11/9/2011	49881	TGHU138526-5	19,551	19.55
H	8	11/10/2011	49882	CMAU018299-6	19,768	19.77
&	9	11/10/2011	49884	CMAU116683-4	19,799	19.80
H	10	11/10/2011	49883	CMAU164386-0	19,758	19.76
	11	11/10/2011	49885	IPXU391374-4	19,759	19.76
M	12	11/10/2011	49886	ECMU202611-0	19,761	19.76
E	13	11/10/2011	49887	CMAU193548-2	19,800	19.80
T	14	11/15/2011	49888	ECMU112505-7	19,810	19.81
A	15	11/15/2011	49889	CMAU213270-0	19,805	19.81
L	16	11/15/2011	49890	CLHU 376319-0	19,787	19.79
S	17	11/15/2011	49891	CMAU032271-6	19,811	19.81
	18	11/15/2011	49892	CMAU193308-9	19,523	19.52
	19	11/16/2011	49893	CAIU229180-1	19,808	19.81
	20	11/16/2011	49894	CMAU150920-8	19,810	19.81
	21	11/16/2011	49895	ECMU180716-5	19,805	19.81
	22	11/16/2011	49896	ECMU129679-0	19,802	19.80
	23	11/17/2011	49897	BMOU203425-4	19,804	19.80
	24	11/17/2011	49898	ECMU187657-2	19,804	19.80
	25	11/17/2011	49899	CLHU 307267-0	19,811	19.81
	26	11/17/2011	49900	TRLU967524-0	19,794	19.79
	27	11/18/2011	49901	CNCU283678-5	19,800	19.80
	28	11/18/2011	49902	TGHU 002801-0	19,791	19.79
	29	11/21/2011	49903	ECMU148767-3	19,768	19.77
	30	11/22/2011	49904	TRLU 905603-4	19,806	19.81
	31	11/22/2011	49905	ECMU 167878-4	19,808	19.81
	32	11/23/2011	49906	TRLU 303080-8	19,744	19.74
	33	11/23/2011	49907	ECMU 204171-0	19,806	19.81
	34	11/23/2011	49908	FCIU 366452-8	19,764	19.76
	35	11/23/2011	49909	CMAU 178634-7	19,802	19.80
	36	11/23/2011	49910	SGCU 156536-0	19,778	19.78
	Total Scrubber Sludge/mixed with Fines Shipped in November:				711,855	712

TABLE 1

Summary of Scrubber Sludge/mixed with fines Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date Container Loaded /Shipped	Bill of Lading Number	Container (CTU) #	Approximate Weight in kg	Approximate Weight in MT
	1	12/14/2011	49911	CMAU 155727-4	19,813	19.81
	2	12/14/2011	49912	CMAU 178720-9	19,812	19.81
	3	12/14/2011	49913	CRXU 157205-6	19,806	19.81
	4	12/15/2011	49914	TGHU 360260-5	19,821	19.82
	5	12/15/2011	49915	DFSU 204786-5	19,812	19.81
	6	12/15/2011	49916	GATU 077268-3	19,813	19.81
	7	12/15/2011	49917	IPXU 336114-1	19,811	19.81
	8	12/15/2011	49918	ICSU 497319-1	19,813	19.81
	9	12/16/2011	49919	CMAU 185789-0	19,811	19.81
H	10	12/16/2011	49920	ECMU 183983-5	19,812	19.81
&	11	12/16/2011	49921	CMAU 211572-3	19,807	19.81
H	12	12/16/2011	49922	ECMU 1214056-5	19,808	19.81
	13	12/19/2011	49923	DVRU 139231-5	19,812	19.81
M	14	12/19/2011	49924	ECMU 178195-0	19,810	19.81
E	15	12/19/2011	49925	BMOU 203145-0	19,811	19.81
T	16	12/19/2011	49926	ECMU 181351-1	19,812	19.81
A	17	12/19/2011	49927	IPXU 335221-6	19,811	19.81
L	18	12/20/2011	49928	ECMU 114001-0	19,809	19.81
S	19	12/21/2011	49929	CLHU 283227-5	19,808	19.81
	20	12/21/2011	49930	CMAU 142135-4	19,809	19.81
	21	12/21/2011	49931	GSTU 475248-6	19,812	19.81
	22	12/21/2011	49932	CMAU 211874-3	19,805	19.81
	23	12/21/2011	49933	ECMU 172718-3	19,807	19.81
	24	12/21/2011	49934	TGHU 131564-8	19,813	19.81
	25	12/22/2011	49935	CMAU 176975-6	19,810	19.81
	26	12/22/2011	49936	ECMU 187672-0	19,811	19.81
	27	12/22/2011	49937	CMAU 028488-0	19,809	19.81
	28	12/22/2011	49938	XINU120806-8	19,809	19.81
	29	12/27/2011	49939	TRLU 899567-6	19,811	19.81
	30	12/27/2011	49940	TGHU 131408-7	19,811	19.81
	31	12/27/2011	49941	DVRU 160133-3	19,810	19.81
	32	12/27/2011	49942	GVCU 226631-6	19,811	19.81
	33	12/28/2011	49943	ECMU 129910-4	19,806	19.81
	Total Scrubber Sludge/mixed with Fines Shipped in December:				653,746	654

APPENDIX B — Scrap Metal Shipments

TABLE 2
Summary Of Scrap Metal Shipments
4th Quarter 2011 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
4th Quarter 2011	127	October 3, 2011	49642	9.69			
	128	October 3, 2011	49643	12.53			
	129	October 3, 2011	49644	13.46			
	130	October 3, 2011	49645	14.43			
	131	October 3, 2011	49646	15.09			
	132	October 3, 2011	HDMU 639381-7	---	19.43		
	133	October 4, 2011	49647	12.18			
	134	October 4, 2011	49648	8.56			
	135	October 4, 2011	49649	6.65			
	136	October 4, 2011	49650	5.2			
	137	October 4, 2011	49651	14.58			
	138	October 4, 2011	49652	13.72			
	139	October 4, 2011	49653	12.5			
	140	October 4, 2011	49654	7.94			
	141	October 5, 2011	49655	11.57			
	142	October 5, 2011	49656	14.05			
	143	October 5, 2011	49657	8.75			
	144	October 5, 2011	49658	8.9			
	145	October 5, 2011	49659	9.8			
	146	October 5, 2011	49660	15.11			
	147	October 5, 2011	49661	16.06			
	148	October 7, 2011	49662	13.55			
	149	October 7, 2011	49663	14.49			
	150	October 7, 2011	49664	16.71			
	151	October 7, 2011	49665	11.52			
	152	October 7, 2011	49666	8.6			
	153	October 10, 2011	49667	14.3			
	154	October 10, 2011	49668	9.96			
	155	October 10, 2011	49669	11.85			
	156	October 10, 2011	49670	13.73			
	157	October 10, 2011	49671	14.28			
	158	October 10, 2011	HDMU 656609-1	---	**19.54**		
	159	October 11, 2011	49672	15.95			
	160	October 11, 2011	49673	15.77			
	161	October 11, 2011	49674	13.37			
	162	October 11, 2011	49675	13.04			
	163	October 11, 2011	49676	14.32			
	164	October 11, 2011	49677	14.02			
	165	October 11, 2011	49678	16.81			
	166	October 11, 2011	49679	11.35			
	167	October 12, 2011	49680	17			
	168	October 12, 2011	49681	14.88			
	169	October 12, 2011	49682	9.25			
	170	October 12, 2011	49683	15.53			
	171	October 12, 2011	49684	6.48			
	172	October 12, 2011	49685	14.9			
	173	October 12, 2011	49686	10.07			
	174	October 12, 2011	49688	11.98			
	175	October 12, 2011	49689	8.11			
	176	October 13, 2011	49690	13.04			
	177	October 13, 2011	49691	6.36			
	178	October 13, 2011	49692	10.13			
	179	October 13, 2011	49693	13.4			
	180	October 13, 2011	49694	13.3			
	181	October 14, 2011	49695	9.13			
	182	October 14, 2011	49696	8.52			
	183	October 14, 2011	49697	11.11			
	184	October 14, 2011	49698	8.21			
	185	October 14, 2011	49699	11.92			
	186	October 17, 2011	49700	10.7			
	187	October 17, 2011	49701	10.81			
	188	October 17, 2011	49702	10.2			
	189	October 17, 2011	49704	9.43			
	190	October 17, 2011	49705	10.93			
	191	October 18, 2011	49706	8.19			
	192	October 18, 2011	49707	9.39			
	193	October 18, 2011	49708	8.89			
	194	October 18, 2011	49709	11.82			
	195	October 18, 2011	49710	12.26			
	196	October 19, 2011	49711	9.05			

TABLE 2
Summary Of Scrap Metal Shipments
4th Quarter 2011 Progress Report
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	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
4th Quarter 2011	197	October 19, 2011	49712	12.7			
	198	October 19, 2011	49713	10.04			
	199	October 19, 2011	49714	14.26			
	200	October 19, 2011	49715	15.36			
	201	October 19, 2011	49716	14.67			
	202	October 19, 2011	49717	11.07			
	203	October 20, 2011	49718	10.68			
	204	October 20, 2011	49719	15.68			
	205	October 20, 2011	49720	10.85			
	206	October 20, 2011	49721	12.55			
	207	October 20, 2011	49722	7.61			
	208	October 20, 2011	49723	16.19			
	209	October 20, 2011	49724	13.65			
	210	October 20, 2011	49725	12.48			
	211	October 24, 2011	49687	----			2.23
	212	October 25, 2011	49726	4.16			
	213	October 25, 2011	49727	10.38			
	214	October 25, 2011	49728	11.11			
	215	October 25, 2011	49729	8.3661			
	216	October 26, 2011	49730	16.21			
	217	October 26, 2011	49731	16.66			
	218	October 26, 2011	49732	10.02			
	219	October 26, 2011	49733	16.05			
	220	October 26, 2011	49734	10.42			
	221	October 26, 2011	49735	7.93			
	222	October 26, 2011	49736	14.63			
	223	October 26, 2011	49737	10.67			
	224	October 28, 2011	49738	----		7.61	
	225	October 31, 2011	49739	9.36			
	226	October 31, 2011	49740	12.04			
	227	October 31, 2011	49742	14.43			
	228	October 31, 2011	49743	9.61			
	229	October 31, 2011	49741	----			1.06
	230	November 1, 2011	49744	9.16			
	231	November 1, 2011	49745	15.09			
	232	November 1, 2011	49746	10.19			
	233	November 1, 2011	49747	13.01			
	234	November 1, 2011	49748	9.16			
	235	November 1, 2011	49749	13.65			
	236	November 1, 2011	49750	9.41			
	237	November 1, 2011	49751	15.23			
	238	November 1, 2011	49752	7.6			
	239	November 2, 2011	49753	17.19			
	240	November 2, 2011	49754	8.52			
	241	November 2, 2011	49755	16.17			
	242	November 2, 2011	49756	13.72			
	243	November 2, 2011	49758	11.92			
	244	November 2, 2011	49759	9.09			
	245	November 2, 2011	49760	10.66			
	246	November 2, 2011	49757	13.82			
	247	November 4, 2011	49761	12.2			
	248	November 4, 2011	49762	10.98			
	249	November 4, 2011	49763	10.59			
	250	November 4, 2011	49764	10.68			
	251	November 4, 2011	49765	8.56			
	252	November 4, 2011	49766	10.75			
	253	November 4, 2011	49767	8.75			
	254	November 4, 2011	49768	11			
	255	November 7, 2011	49769	8.02			
	256	November 7, 2011	49770	12.43			
	257	November 7, 2011	49771	11.19			
	258	November 7, 2011	49772	10.58			
	259	November 10, 2011	49773	12.37			
	260	November 10, 2011	49774	14.81			
	261	November 10, 2011	49775	7.4			
	262	November 10, 2011	49776	12.7			
	263	November 10, 2011	49777	10.08			
	264	November 11, 2011	49778	13.39			
	265	November 14, 2011	49779	12.09			
	266	November 14, 2011	49780	11.83			

TABLE 2
Summary Of Scrap Metal Shipments
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	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Stainless Steel Sold to Hi-Light International (2)	Copper Wire Sold to Interco Trading Company (2)	Didion Company (2)
4th Quarter 2011	267	November 14, 2011	49781	10.97			
	268	November 14, 2011	49782	14.55			
	269	November 15, 2011	49783	10.46			
	270	November 15, 2011	49784	9.35			
	271	November 15, 2011	49785	12.26			
	272	November 15, 2011	49786	10.88			
	273	November 15, 2011	49787	9.53			
	274	November 16, 2011	49788	10.66			
	275	November 17, 2011	49789	9.53			
	276	November 17, 2011	49790	14.18			
	277	November 17, 2011	49791	9.67			
	278	November 21, 2011	TCNU 731820-0	----	19.55		
	279	November 29, 2011	49792	10.11			
	280	November 29, 2011	49793	8.93			
	281	November 29, 2011	49794	9.63			
	282	November 29, 2011	49795	4.64			
	283	December 5, 2011	49796	11.78			
	284	December 5, 2011	49797	9.81			
	285	December 5, 2011	49798	8.19			
	286	December 5, 2011	49799	8.94			
	287	December 5, 2011	49800	8.78			
	288	December 6, 2011	49801	9.42			
	289	December 6, 2011	49802	12.82			
	290	December 6, 2011	49803	9.13			
	291	December 6, 2011	49804	8.19			
	292	December 6, 2011	49805	10.24			
	293	December 8, 2011	49807	6.86			
	294	December 8, 2011	49808	6.01			
	295	December 8, 2011	49809	9.34			
	296	December 8, 2011	49811	8.73			
	297	December 8, 2011	49810	7.95			
	298	December 9, 2011	49812	7.68			
	299	December 9, 2011	49813	7.13			
	300	December 9, 2011	49814	4.79			
	301	December 9, 2011	49815	9.32			
	302	December 9, 2011	49816	8.18			
	303	December 12, 2011	49817	9.8			
	304	December 12, 2011	49818	10.96			
	305	December 12, 2011	49819	12.28			
	306	December 12, 2011	49820	8.85			
	307	December 13, 2011	49821	7.28			
	308	December 13, 2011	49822	9.94			
	309	December 13, 2011	49823	9.78			
	310	December 13, 2011	49824	9.16			
	311	December 13, 2011	49825	9.36			
	312	December 13, 2011	49826	8.38			
	313	December 14, 2011	49827	9.83			
	314	December 14, 2011	49828	11.69			
	315	December 14, 2011	49829	13.07			
	316	December 14, 2011	49830	11.8			
	317	December 15, 2011	49831	8.85			
	318	December 15, 2011	TCNU 865707-0	----	19.54		
	319	December 15, 2011	HDMU 631996-0	----	19.54		
	320	December 23, 2011	49806	---		10.30	
			TOTAL TONS	**2,062.88**	**97.59**	**17.91**	**3.29**

Note:
(1) Short Ton = 2000 lb
(2) Gross Ton = 2240 lb

TABLE 3
Summary Of Historical Scrap Metal Shipments
4th Quarter 2011 Progress Report
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Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2010	1	September 13, 2010	49502	16.05				----	----	NA	NA	NA	NA
	2	September 13, 2010	49503	17.04				----	----	NA	NA	NA	NA
	3	September 13, 2010	49504	9.28				----	----	NA	NA	NA	NA
	4	September 13, 2010	49505	16.43				----	----	NA	NA	NA	NA
	5	September 13, 2010	49506	7.17				----	----	NA	NA	NA	NA
	6	September 13, 2010	49507	17.01				----	----	NA	NA	NA	NA
	7	September 14, 2010	49508	12.05				----	----	NA	NA	NA	NA
	8	September 14, 2010	49509	16.35				----	----	NA	NA	NA	NA
	9	September 14, 2010	49510	11.15				----	----	NA	NA	NA	NA
	10	September 14, 2010	49511	13.29				----	----	NA	NA	NA	NA
	11	September 14, 2010	49512	16.53				----	----	NA	NA	NA	NA
	12	September 14, 2010	49513	13.83				----	----	NA	NA	NA	NA
	13	September 14, 2010	49514	15.52				----	----	NA	NA	NA	NA
	14	September 14, 2010	49515	16.61				----	----	NA	NA	NA	NA
	15	September 15, 2010	49516	13.86				----	----	NA	NA	NA	NA
	16	September 15, 2010	49517	14.88				----	----	NA	NA	NA	NA
	17	September 20, 2010	49518	---	22.20			----	----	NA	NA	NA	NA
	18	September 20, 2010	49519	---	21.89			----	----	NA	NA	NA	NA
	19	September 22, 2010	49520	8.04				----	----	NA	NA	NA	NA
	20	September 22, 2010	49521	7.21				----	----	NA	NA	NA	NA
	21	September 22, 2010	49522	---	21.56			----	----	NA	NA	NA	NA
	22	September 22, 2010	49523	7.29				----	----	NA	NA	NA	NA
	23	September 22, 2010	49524	7.54				----	----	NA	NA	NA	NA
	24	September 22, 2010	49525	12.42				----	----	NA	NA	NA	NA
	25	September 23, 2010	49526	14.81				----	----	NA	NA	NA	NA
	26	September 27, 2010	49527	9.4				----	----	NA	NA	NA	NA
			TOTAL TONS	***293.8***	***65.7***					NA	NA	NA	NA
4th Quarter 2010	27	October 5, 2010	49529	12.47				----	----	NA	NA	NA	NA
	28	October 7, 2010	49530	11.86				----	----	NA	NA	NA	NA
	29	October 11, 2010	49531	12.19				----	----	NA	NA	NA	NA
	30	October 13, 2010	49532	7.97				----	----	NA	NA	NA	NA
	31	October 14, 2010	49534	10.06				----	----	NA	NA	NA	NA
	32	October 14, 2010	49535	13.96				----	----	NA	NA	NA	NA
	33	October 15, 2010	49536	11.86				----	----	NA	NA	NA	NA
	34	October 18, 2010	49537	11.72				----	----	NA	NA	NA	NA
	35	October 19, 2010	49538	10.70				----	----	NA	NA	NA	NA
	36	October 19, 2010	49539	12.47				----	----	NA	NA	NA	NA
	37	November 2, 2010	49554	8.96				----	----	NA	NA	NA	NA
	38	November 2, 2010	49555	13.40				----	----	NA	NA	NA	NA
	39	November 3, 2010	49556	9.09				----	----	NA	NA	NA	NA
	40	November 8, 2010	49557	13.48				----	----	NA	NA	NA	NA
	41	November 8, 2010	49558	---	---	18.52		----	----	NA	NA	NA	NA
	42	November 8, 2010	49559	12.46				----	----	NA	NA	NA	NA
	43	November 10, 2010	49560	13.92				----	----	NA	NA	NA	NA
	44	November 10, 2010	49561	9.83				----	----	NA	NA	NA	NA
	45	November 11, 2010	49562	10.28				----	----	NA	NA	NA	NA
	46	November 15, 2010	49563	12.34				----	----	NA	NA	NA	NA
	47	November 15, 2010	49564	12.39				----	----	NA	NA	NA	NA
	48	November 17, 2010	49565	11.98				----	----	NA	NA	NA	NA
	49	November 17, 2010	49566	10.79				----	----	NA	NA	NA	NA
	50	December 1, 2010	49567	16.55				----	----	NA	NA	NA	NA
	51	December 2, 2010	49568	15.55				----	----	NA	NA	NA	NA
	52	December 9, 2010	49569	6.46				----	----	NA	NA	NA	NA
	53	December 10, 2010	49570	8.22				----	----	NA	NA	NA	NA
	54	December 14, 2010	FCIU 894056-8				21.82	----	----	NA	NA	NA	NA
			TOTAL TONS	**300.96**	0	**18.52**	**21.82**			NA	NA	NA	NA

TABLE 3
Summary Of Historical Scrap Metal Shipments
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	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
1st Quarter 2011	55	January 6, 2011	49571	15.29						NA	NA	NA	NA
	56	January 7, 2011	CAFU 802051-4				21.96			NA	NA	NA	NA
	57	January 10, 2011	CAIU 800920-1				21.72			NA	NA	NA	NA
	58	January 12, 2011	DFSU 620017-0				21.53			NA	NA	NA	NA
	59	January 13, 2011	49572	9.79						NA	NA	NA	NA
	60	January 17, 2011	CAIU 851224-2				21.12			NA	NA	NA	NA
	61	January 17, 2011	49573	9.09						NA	NA	NA	NA
	62	January 19, 2011	49574					14.56		NA	NA	NA	NA
	63	February 17, 2011	49575						8.74	NA	NA	NA	NA
			TOTAL TONS	**34.17**	**0.00**	**0.00**	**86.33**	**14.56**	**8.74**	NA	NA	NA	NA
2nd Quarter 2011	64	April 11, 2011	NA									A	
	65	April 11, 2011	47175							23.44 (B)	---		
	66	April 11, 2011	47176							24.11 (B)	---		
	67	April 11, 2011	47177							20.09 (B)	---		
	68	May 4, 2011	49576							---	13.08 (C)		
	69	May 11, 2011	49577							---	17.88 (C)		
	70	June 15, 2011	NA									D	
			TOTAL TONS	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**67.74**	**30.96**	**0.00**	**0.00**

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Stainless Steel Sold to Hi-Light International (2)	Motors Sold to Interco Trading Company (2)	Misc. Copper Sold to Wallach Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3) B	Misc. Motors and Crane Parts Sold to Casey Equipment (3) C	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2011	71	August 1, 2011	49590	13.9									
	72	August 1, 2011	49591	10.04									
	73	August 5, 2011	49592	15.12									
	74	August 9, 2011	49593	11.64									
	75	August 12, 2011	HDMU 644809-9	---	---	---	19.20	---	---	---	---	---	---
	76	August 16, 2011	TCNU 740060-0	---	---	---	19.29	---	---	---	---	---	---
	77	August 19, 2011	49594	16.35									
	78	August 19, 2011	49595	13.48									
	79	August 25, 2011	HDMU 633298-2	---	---	---	19.36	---	---	---	---	---	---
	80	August 30, 2011	TNCU 860015-7	---	---	---	19.55	---	---	---	---	---	---
	81	August 30, 2011	49596	14.23									
	82	August 30, 2011	49597	6.61									
	83	September 9, 2011	49598	9.36									
	84	September 9, 2011	49599	7.08									
	85	September 9, 2011	49600	5.54									
	86	September 13, 2011	49601	5.63									
	87	September 13, 2011	49602	7.29									
	88	September 15, 2011	49603	13.92									
	89	September 15, 2011	49604	13.58									
	90	September 16, 2011	49606	11.88									
	91	September 16, 2011	49607	12.12									
	92	September 19, 2011	49608	12.77									
	93	September 19, 2011	49609	10.36									
	94	September 19, 2011	49610	13.75									
	95	September 19, 2011	49611	11.56									
	96	September 19, 2011	49612	11.54									
	97	September 20, 2011	49613	10.76									
	98	September 20, 2011	49614	11.73									
	99	September 20, 2011	49615	9.78									
	100	September 20, 2011	49616	12.84									
	101	September 21, 2011	HDMU 740565-1	---	---	---	19.63	---	---	---	---	---	---
	102	September 23, 2011	49617	13.12									
	103	September 23, 2011	49618	10.63									
	104	September 23, 2011	49619	7.33									

TABLE 3
Summary Of Historical Scrap Metal Shipments
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	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
3rd Quarter 2011	105	September 27, 2011	49622	11.45									
	106	September 27, 2011	49623	15.84									
	107	September 27, 2011	49625	9.68									
	108	September 27, 2011	49626	15.16									
	109	September 27, 2011	49627	10.14									
	110	September 27, 2011	49628	9.04									
	111	September 27, 2011	49629	13.80									
	112	September 27, 2011	49630	10.28									
	113	September 27, 2011	49620	---	19.03	---	---	---	---	---	---	---	---
	114	September 27, 2011	49621	---	16.71	---	---	---	---	---	---	---	---
	115	September 27, 2011	49624	---	17.71	---	---	---	---	---	---	---	---
	116	September 28, 2011	49631	12.77									
	117	September 28, 2011	49632	12.63									
	118	September 28, 2011	49633	10.96									
	119	September 28, 2011	49634	8.07									
	120	September 28, 2011	49635	13.06									
	121	September 29, 2011	49636	11.16									
	122	September 30, 2011	49637	13.47									
	123	September 30, 2011	49638	15.78									
	124	September 30, 2011	49639	13.30									
	125	September 30, 2011	49640	11.74									
	126	September 30, 2011	49641	12.15									
			TOTAL TONS	**554.41**	**53.46**	**0.00**	**97.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

	Number of Shipments	Date of Shipment	Bill of Lading Number	Iron and Steel Sold to Grossman Steel (2)	Alton Materials (2)	Tons of Aluminum Metal Sold to Wallach Trading Company (2)	Stainless Steel Sold to Hi-Light International (2)	Motors& Copper Wire Sold to Interco Trading Company (2)	Misc. Copper Sold to Wallach Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3) B	Misc. Motors and Crane Parts Sold to Casey Equipment (3) C	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
4th Quarter 2011	127	October 3, 2011	49642	9.69									
	128	October 3, 2011	49643	12.53									
	129	October 3, 2011	49644	13.46									
	130	October 3, 2011	49645	14.43									
	131	October 3, 2011	49646	15.09								---	
	132	October 3, 2011	HDMU 639381-7	---			19.43					---	
	133	October 4, 2011	49647	12.18									
	134	October 4, 2011	49648	8.56									
	135	October 4, 2011	49649	6.65								---	
	136	October 4, 2011	49650	5.2								---	
	137	October 4, 2011	49651	14.58									
	138	October 4, 2011	49652	13.72									
	139	October 4, 2011	49653	12.5									
	140	October 4, 2011	49654	7.94									
	141	October 5, 2011	49655	11.57									
	142	October 5, 2011	49656	14.05									
	143	October 5, 2011	49657	8.75									
	144	October 5, 2011	49658	8.9									
	145	October 5, 2011	49659	9.8									
	146	October 5, 2011	49660	15.11									
	147	October 5, 2011	49661	16.06									
	148	October 7, 2011	49662	13.55									
	149	October 7, 2011	49663	14.49									
	150	October 7, 2011	49664	16.71									
	151	October 7, 2011	49665	11.52									
	152	October 7, 2011	49666	8.6									
	153	October 10, 2011	49667	14.3									
	154	October 10, 2011	49668	9.96									
	155	October 10, 2011	49669	11.85									
	156	October 10, 2011	49670	13.73									
	157	October 10, 2011	49671	14.28									
	158	October 10, 2011	HDMU 656609-1	---			19.54					---	
	159	October 11, 2011	49672	15.95									
	160	October 11, 2011	49673	15.77									
	161	October 11, 2011	49674	13.37									

TABLE 3
Summary Of Historical Scrap Metal Shipments
4th Quarter 2011 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
4th Quarter 2011	162	October 11, 2011	49675	13.04									
	163	October 11, 2011	49676	14.32									
	164	October 11, 2011	49677	14.02									
	165	October 11, 2011	49678	16.81									
	166	October 11, 2011	49679	11.35									
	167	October 12, 2011	49680	17									
	168	October 12, 2011	49681	14.88									
	169	October 12, 2011	49682	9.25								---	
	170	October 12, 2011	49683	15.53								---	
	171	October 12, 2011	49684	6.48								---	
	172	October 12, 2011	49685	14.9									
	173	October 12, 2011	49686	10.07									
	174	October 12, 2011	49688	11.98									
	175	October 12, 2011	49689	8.11									
	176	October 13, 2011	49690	13.04									
	177	October 13, 2011	49691	6.36									
	178	October 13, 2011	49692	10.13									
	179	October 13, 2011	49693	13.4									
	180	October 13, 2011	49694	13.3									
	181	October 14, 2011	49695	9.13									
	182	October 14, 2011	49696	8.52									
	183	October 14, 2011	49697	11.11									
	184	October 14, 2011	49698	8.21									
	185	October 14, 2011	49699	11.92									
	186	October 17, 2011	49700	10.7									
	187	October 17, 2011	49701	10.81									
	188	October 17, 2011	49702	10.2									
	189	October 17, 2011	49704	9.43									
	190	October 17, 2011	49705	10.93									
	191	October 18, 2011	49706	8.19									
	192	October 18, 2011	49707	9.39									
	193	October 18, 2011	49708	8.89									
	194	October 18, 2011	49709	11.82									
	195	October 18, 2011	49710	12.26									
	196	October 19, 2011	49711	9.05									
	197	October 19, 2011	49712	12.7									
	198	October 19, 2011	49713	10.04									
	199	October 19, 2011	49714	14.26									
	200	October 19, 2011	49715	15.36									
	201	October 19, 2011	49716	14.67									
	202	October 19, 2011	49717	11.07									
	203	October 20, 2011	49718	10.68									
	204	October 20, 2011	49719	15.68									
	205	October 20, 2011	49720	10.85									
	206	October 20, 2011	49721	12.55									
	207	October 20, 2011	49722	7.61									
	208	October 20, 2011	49723	16.19									
	209	October 20, 2011	49724	13.65									
	210	October 20, 2011	49725	12.48									
	211	October 24, 2011	49687	----									2.23
	212	October 25, 2011	49726	4.16									
	213	October 25, 2011	49727	10.38									
	214	October 25, 2011	49728	11.11									
	215	October 25, 2011	49729	8.3661									
	216	October 26, 2011	49730	16.21									
	217	October 26, 2011	49731	16.66									
	218	October 26, 2011	49732	10.02									
	219	October 26, 2011	49733	16.05									
	220	October 26, 2011	49734	10.42									
	221	October 26, 2011	49735	7.93									
	222	October 26, 2011	49736	14.63									
	223	October 26, 2011	49737	10.67									
	224	October 28, 2011	49738	----				7.61					
	225	October 31, 2011	49739	9.36									
	226	October 31, 2011	49740	12.04									
	227	October 31, 2011	49742	14.43									

TABLE 3
Summary Of Historical Scrap Metal Shipments
4th Quarter 2011 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
	228	October 31, 2011	49743	9.61									
	229	October 31, 2011	49741	----									1.06
	230	November 1, 2011	49744	9.16									
	231	November 1, 2011	49745	15.09									
	232	November 1, 2011	49746	10.19									
	233	November 1, 2011	49747	13.01									
	234	November 1, 2011	49748	9.16									
	235	November 1, 2011	49749	13.65									
	236	November 1, 2011	49750	9.41									
	237	November 1, 2011	49751	15.23									
	238	November 1, 2011	49752	7.6									
	239	November 2, 2011	49753	17.19									
	240	November 2, 2011	49754	8.52									
	241	November 2, 2011	49755	16.17									
	242	November 2, 2011	49756	13.72									
	243	November 2, 2011	49758	11.92									
	244	November 2, 2011	49759	9.09									
4th	245	November 2, 2011	49760	10.66									
Quarter	246	November 2, 2011	49757	13.82									
2011	247	November 4, 2011	49761	12.2									
	248	November 4, 2011	49762	10.98									
	249	November 4, 2011	49763	10.59									
	250	November 4, 2011	49764	10.68									
	251	November 4, 2011	49765	8.56									
	252	November 4, 2011	49766	10.75									
	253	November 4, 2011	49767	8.75									
	254	November 4, 2011	49768	11									
	255	November 7, 2011	49769	8.02									
	256	November 7, 2011	49770	12.43									
	257	November 7, 2011	49771	11.19									
	258	November 7, 2011	49772	10.58									
	259	November 10, 2011	49773	12.37									
	260	November 10, 2011	49774	14.81									
	261	November 10, 2011	49775	7.4									
	262	November 10, 2011	49776	12.7									
	263	November 10, 2011	49777	10.08									
	264	November 11, 2011	49778	13.39									
	265	November 14, 2011	49779	12.09									
	266	November 14, 2011	49780	11.83									
	267	November 14, 2011	49781	10.97									
	268	November 14, 2011	49782	14.55									
	269	November 15, 2011	49783	10.46									
	270	November 15, 2011	49784	9.35									
	271	November 15, 2011	49785	12.26									
	272	November 15, 2011	49786	10.88									
	273	November 15, 2011	49787	9.53									
	274	November 16, 2011	49788	10.66									
	275	November 17, 2011	49789	9.53									
	276	November 17, 2011	49790	14.18									
	277	November 17, 2011	49791	9.67									
	278	November 21, 2011	TCNU 731820-0	---			19.55						
	279	November 29, 2011	49792	10.11									
	280	November 29, 2011	49793	8.93									
	281	November 29, 2011	49794	9.63									
	282	November 29, 2011	49795	4.64									
	283	December 5, 2011	49796	11.78									
	284	December 5, 2011	49797	9.81									
	285	December 5, 2011	49798	8.19									
	286	December 5, 2011	49799	8.94									
	287	December 5, 2011	49800	8.78									
	288	December 6, 2011	49801	9.42									
	289	December 6, 2011	49802	12.82									
	290	December 6, 2011	49803	9.13									
	291	December 6, 2011	49804	8.19									
	292	December 6, 2011	49805	10.24									

TABLE 3
Summary Of Historical Scrap Metal Shipments
4th Quarter 2011 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Bill of Lading Number	Tons of Iron and Steel Sold to Grossman Steel (1)	Tons of Lead Metal Sold to Doe Run (1)	Tons of Aluminum Metal Sold to Wallach Trading Company (1)	Tons of Stainless Steel Sold to Hi-Light International (2)	Misc. Copper Sold to Wallach Trading Company (2)	Motors Sold to Interco Trading Company (2)	Pot Slag Ladles sold to Harsco Metals (3)	Misc. Motors and Crane Parts Sold to Casey Equipment (3)	Misc, tank and clarifier sold to Tank Trailer Cleaning (3)	Didion Company (2)
4th Quarter 2011	293	December 8, 2011	49807	6.86									
	294	December 8, 2011	49808	6.01									
	295	December 8, 2011	49809	9.34									
	296	December 8, 2011	49811	8.73									
	297	December 8, 2011	49810	7.95									
	298	December 9, 2011	49812	7.68									
	299	December 9, 2011	49813	7.13									
	300	December 9, 2011	49814	4.79									
	301	December 9, 2011	49815	9.32									
	302	December 9, 2011	49816	8.18									
	303	December 12, 2011	49817	9.8									
	304	December 12, 2011	49818	10.96									
	305	December 12, 2011	49819	12.28									
	306	December 12, 2011	49820	8.85									
	307	December 13, 2011	49821	7.28									
	308	December 13, 2011	49822	9.94									
	309	December 13, 2011	49823	9.78									
	310	December 13, 2011	49824	9.16									
	311	December 13, 2011	49825	9.36									
	312	December 13, 2011	49826	8.36									
	313	December 14, 2011	49827	9.83									
	314	December 14, 2011	49828	11.69									
	315	December 14, 2011	49829	13.07									
	316	December 14, 2011	49830	11.8									
	317	December 15, 2011	49831	8.85									
	318	December 15, 2011	TCNU 865707-0	----			19.54						
	319	December 15, 2011	HDMU 631996-0	----			19.54						
	320	December 23, 2011	49806	----				10.30					
			TOTAL TONS	**2,062.88**	**0.00**	**0.00**	**97.59**	**17.91**	**0.00**	**0.00**	**0.00**	**0.00**	**3.29**

Note:
(1) Short Ton = 2000 lb
(2) Gross Ton = 2240 lb
(3) = Material sold under the Scrap Metal Work Plan
A= Aboveground Steel-Sand Storage Tank
B=Pot Slag Ladles (total of 3 ladles)
C= Crane equipment parts, electric motors, electric cabinets, resistor breakes, Crane Block parts
D= Two steel clarifier tanks

Steel Material sold as bulk and not as tonnage cost
NA = Not Applicable

ST. LOUIS' LEADING BUYER AND PROCESSOR OF SCRAP METALS

GROSSMAN IRON & STEEL CO.

The Estate of Chemetco Attn: Jorge Y. Garcia

3754 Chemetco Lane

Hartford, IL 62048

Subject: Destruction of tank from Chemetco Plant

This letter confirms that the tank picked up on 11/10/11 was received by the Grossman Iron and Steel Company. The tank was subsequently destroyed for recycling purposes only on 11/10/11.

Sincerely

Grossman Iron and Steel Company

Josh Kinney

5 NORTH MARKET STREET
ST. LOUIS MISSOURI
USA 63102

T 314 231.9423
F 314 231.6983
WWW.GROSSMANIRON.COM

APPENDIX C Hazardous and Non-hazardous Waste Disposals

TABLE 4
Summary of Hazardous Waste Disposal Shipments
4th Qtr 2011 Progress Report
Estate Of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin Number	Date Picked Up	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2011	1	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4097	10/25/11	Mid-West Services and Heritage Environmental	18,360	9.18	Heritage Environmental, Indianapolis, IN.	000440784WAS
	2	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4088	11/9/11	Mid-West Services and Heritage Environmental	34,940	17.47	Heritage Environmental, Indianapolis, IN.	000440785WAS
	3	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40170	11/10/11	Mid-West Services and Heritage Environmental	33,140	16.57	Heritage Environmental, Indianapolis, IN.	000440786WAS
	4	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4029	11/11/11	Mid-West Services and Heritage Environmental	33,100	16.55	Heritage Environmental, Indianapolis, IN.	000440787WAS
	5	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40130	11/14/11	Mid-West Services and Heritage Environmental	33,980	16.99	Heritage Environmental, Indianapolis, IN.	000440788WAS
	6	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40101	11/15/11	Mid-West Services and Heritage Environmental	32,516	16.26	Heritage Environmental, Indianapolis, IN.	000440789WAS
	7	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	2066	11/16/11	Mid-West Services and Heritage Environmental	32,380	16.19	Heritage Environmental, Indianapolis, IN.	000440790WAS
	8	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	20300	11/17/11	Mid-West Services and Heritage Environmental	32,480	16.24	Heritage Environmental, Indianapolis, IN.	000440791WAS
	9	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40124	11/17/11	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000440792WAS
	10	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4042	11/17/11	Mid-West Services and Heritage Environmental	25,100	12.55	Heritage Environmental, Indianapolis, IN.	000440793WAS
	11	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40109	12/12/11	Mid-West Services and Heritage Environmental	32,360	16.18	Heritage Environmental, Indianapolis, IN.	000440794WAS
	12	Miscellaneous Debris, supersacks, wood pallets, PPE	40 Yard Bin, RCRA	40172	11/11/11	Mid-West Services and Heritage Environmental	13,860	6.93	Heritage Environmental, Indianapolis, IN.	000372829WAS

TABLE 5
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2010	No Shipments were made during the 3rd Qtr 2010									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4029	11/10/2010	Mid-West Services and Heritage Environmental	16,707	8.35	Heritage Environmental, Indianapolis, IN.	000362943WAS
	2	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4097	11/17/2010	Mid-West Services and Heritage Environmental	38,727	19.36	Heritage Environmental, Indianapolis, IN.	000362944WAS
	3	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40006	12/7/2010	Mid-West Services and Heritage Environmental	12,187	6.09	Heritage Environmental, Indianapolis, IN.	000362945WAS
4th	4	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40130	12/7/2010	Mid-West Services and Heritage Environmental	20,067	10.03	Heritage Environmental, Indianapolis, IN.	000362946WAS
Quarter	5	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4025	12/9/2010	Mid-West Services and Heritage Environmental	17,987	8.99	Heritage Environmental, Indianapolis, IN.	000362947WAS
2010	6	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4090	12/9/2010	Mid-West Services and Heritage Environmental	13,487	6.74	Heritage Environmental, Indianapolis, IN.	000362948WAS
	7	Miscellaneous Construction/Demolition Debris	40 Yard Bin	4039	12/13/2010	Mid-West Services and Heritage Environmental	15,607	7.80	Heritage Environmental, Indianapolis, IN.	000362949WAS
	8	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40104	12/13/2010	Mid-West Services and Heritage Environmental	10,107	5.05	Heritage Environmental, Indianapolis, IN.	000362950WAS
	9	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40124	12/15/2010	Mid-West Services and Heritage Environmental	26,667	13.33	Heritage Environmental, Indianapolis, IN.	000362955WAS
	10	Miscellaneous Construction/Demolition Debris	40 Yard Bin	40120	12/15/2010	Mid-West Services and Heritage Environmental	23,227	11.61	Heritage Environmental, Indianapolis, IN.	000362958WAS
						TOTAL	194,770	97.39		

TABLE 5
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20381	1027/2010	Mid-West Services and Heritage Environmental	35,720	17.86	Heritage Environmental, Indianapolis, IN.	000362951WAS
4th	2	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20213	12/14/2010	Mid-West Services and Heritage Environmental	37,940	18.97	Heritage Environmental, Indianapolis, IN.	000362952WAS
Quarter	3	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20559	12/14/2010	Mid-West Services and Heritage Environmental	40,420	20.21	Heritage Environmental, Indianapolis, IN.	000362954WAS
2010	4	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20484	12/14/2010	Mid-West Services and Heritage Environmental	35,980	17.99	Heritage Environmental, Indianapolis, IN.	000362953WAS
	5	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20458	12/15/2010	Mid-West Services and Heritage Environmental	34,880	17.44	Heritage Environmental, Indianapolis, IN.	000362956WAS
	6	Concrete and misc debris screened out from fines in Fines Building	20 Yard Bin	20384	12/15/2010	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000362957WAS
						TOTAL	212,920	106.46		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
	1	Decon Water, sludge from Cupro Decon activities	55 Gal Drum	NA	10/27/2010	Tri State Motor on EMA's behalf	220	0.110	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957277FLE
4th	2	Misc debris, decon pad, from Cupro Shipments	55 Gal Drum	NA	10/27/2010	Tri State Motor on EMA's behalf	75	0.038	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957276FLE
Quarter	3	Decon Water, sludge from Pot Slag Decon activities	55 Gal Drum	NA	12/15/2010	Tri State Motor on EMA's behalf	220	0.110	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957332FLE
2010	4	Misc debris, decon pad, from Pot Slag Shipments	55 Gal Drum	NA	12/15/2010	Tri State Motor on EMA's behalf	80	0.040	EQ Michigan Disposal Waste Treatment Bellville, Mi	003957331FLE
						Total Liquid	440	0.220		
						Total Solids	155	0.078		

TABLE 5
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	No. Containers	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
1Qtr 2011	1	Misc corrosive acids, flammable liquids, petroleum distillates	17	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	2,605	1.3025	Heritage Environmental, Liverpool, OH	000350627WAS
	2	Misc corrosive acids, flammable liquids, petroleum distillates	15	Multiple overpacks, plastic and metal drums	NA	1/14/2011	Heritage Environmental	3,826	1.913	Heritage Environmental, Indianapolis, IN.	000350631WAS
	3	Blasting Sand used for deconning stainless steel	3	Super Sacks	NA	3/16/2011	Tri State Motor on EMA's behalf	4,500	2.250	EQ Michigan Disposal Waste Treatment Belleville, MI	0044214831FLE
							Total Tons	---	5.4655		
							Total Pounds	10,931	---		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2011	No Shipments were made during the 2nd Qtr 2011									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2011	1	Misc debris, decon pad, from Copper Furnace Solid Shipments	55 Gal Drum	NA	8/11/2011	Tri State Motor on EMA's behalf	380	0.190	EQ Michigan Disposal Waste Treatment Belleville, MI	004761793FLE

TABLE 5
Summary of Historical Hazarous Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin Number	Date Picked Up	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2011	1	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4097	10/25/11	Mid-West Services and Heritage Environmental	18,360	9.18	Heritage Environmental, Indianapolis, IN.	000440784WAS
	2	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4088	11/9/11	Mid-West Services and Heritage Environmental	34,940	17.47	Heritage Environmental, Indianapolis, IN.	000440785WAS
	3	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40170	11/10/11	Mid-West Services and Heritage Environmental	33,140	16.57	Heritage Environmental, Indianapolis, IN.	000440786WAS
	4	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4029	11/11/11	Mid-West Services and Heritage Environmental	33,100	16.55	Heritage Environmental, Indianapolis, IN.	000440787WAS
	5	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40130	11/14/11	Mid-West Services and Heritage Environmental	33,980	16.99	Heritage Environmental, Indianapolis, IN.	000440788WAS
	6	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40101	11/15/11	Mid-West Services and Heritage Environmental	32,516	16.26	Heritage Environmental, Indianapolis, IN.	000440789WAS
	7	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	2066	11/16/11	Mid-West Services and Heritage Environmental	32,380	16.19	Heritage Environmental, Indianapolis, IN.	000440790WAS
	8	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	20300	11/17/11	Mid-West Services and Heritage Environmental	32,480	16.24	Heritage Environmental, Indianapolis, IN.	000440791WAS
	9	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40124	11/17/11	Mid-West Services and Heritage Environmental	27,980	13.99	Heritage Environmental, Indianapolis, IN.	000440792WAS
	10	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	4042	11/17/11	Mid-West Services and Heritage Environmental	25,100	12.55	Heritage Environmental, Indianapolis, IN.	000440793WAS
	11	Miscellaneous Construction/Demolition Debris	40 Yard Bin, RCRA	40109	12/12/11	Mid-West Services and Heritage Environmental	32,360	16.18	Heritage Environmental, Indianapolis, IN.	000440794WAS
	12	Miscellaneous Debris, supersacks, wood pallets, PPE	40 Yard Bin, RCRA	40172	11/11/11	Mid-West Services and Heritage Environmental	13,860	6.93	Heritage Environmental, Indianapolis, IN.	000372829WAS
						Total Tons	---	175.10		
						Total Pounds	350,196	---		

TABLE 6
Summary of Non-Hazardous Solids. Liquids, and Special Waste Disposal Shipments
4th Qtr 2011 Progress Report
Estate of Chemetco
Hartford,Illinois

	Number of Shipments	Description	Container Size	Bin #	Bill of Lading Number	picked up date	Lbs or Gal		tons	Waste Hauler	Disposal Facility	Manifest #
	1	Non-Haz Trash Debris	40 CY	4013	NA	11/2/2011	12,500		6.25	MidWest	Roxana Landfill	NA
4th	2	Non-Haz Trash Debris	40 CY	4013	NA	11/18/2011	7,640		3.82	MidWest	Roxana Landfill	NA
Quarter	3	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	10,560		5.28	MidWest	Roxana Landfill	NA
2011	4	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	15,180		7.59	MidWest	Roxana Landfill	NA
	5	Non-Haz Trash Debris	40 CY	4013	NA	12/15/2011	1,740		0.87	MidWest	Roxana Landfill	NA
	6	Universal Waste	fiber drums	NA	NA	11/11/2011	242		0.121	Heritage	Waste Management, Kaiser, Mo	003552160FLE
						Total Pounds	**47,862**					
						Total Tons			**23.931**			

TABLE 7
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Date of Shipment	Description of Material	Container	Bill of Lading Number	Bin Number	Weight in Tons	Hauler	Disposal Site
	1	8/26/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	4.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	2	8/30/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.62	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	3	8/31/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.4	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	4	9/1/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	7.55	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	5	9/10/2010	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	5.86	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
					Total Tons		**28.76**		

	Number of Shipments	Date of Shipment	Description of Material	Container	Bill of Lading Number	Weight in Lbs	Weight in Tons	Hauler	Disposal Site
	1	9/16/2010	Concrete Debris	Trailer	95454	22,180	11.09	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	2	9/16/2010	Concrete Debris	Trailer	95462	36,960	18.48	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	3	9/16/2010	Concrete Debris	Trailer	95485	36,940	18.47	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
3rd	4	9/16/2010	Concrete Debris	Trailer	95501	35,780	17.89	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
Quarter	5	9/16/2010	Concrete Debris	Trailer	95517	29,329	14.66	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
2010	6	9/16/2010	Concrete Debris	Trailer	95539	50,320	25.16	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	7	9/16/2010	Concrete Debris	Trailer	95545	45,160	22.58	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	8	9/16/2010	Concrete Debris	Trailer	95591	44,200	22.1	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	9	9/16/2010	Concrete Debris	Trailer	95603	39,700	19.85	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	10	9/16/2010	Concrete Debris	Trailer	95623	42,660	21.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	11	9/16/2010	Concrete Debris	Trailer	95650	47,700	23.85	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	12	9/17/2010	Concrete Debris	20 CY Bin	95726	23,760	11.88	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois

TABLE 7
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

3rd Quarter 2010	13	9/17/2010	Concrete Debris	Trailer	95734	49,000	24.5	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	14	9/17/2010	Concrete Debris	Trailer	95757	42,060	21.03	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	15	9/17/2010	Concrete Debris	Trailer	95795	47,200	23.6	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	16	9/17/2010	Concrete Debris	Trailer	95824	38,200	19.1	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	17	9/17/2010	Concrete Debris	Trailer	95873	38,660	19.33	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	18	9/17/2010	Concrete Debris	Trailer	95929	44,700	22.35	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	19	9/17/2010	Concrete Debris	20 CY Bin	95916	14,960	7.48	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	20	9/17/2010	Concrete Debris	20 CY Bin	95874	24,300	12.15	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
	21	9/17/2010	Concrete Debris	20 CY Bin	96078	15,240	7.62	Midwest Sanitary Services	Roxana Landfill - Roxana, Illinois
					Total Pounds	**769,009**	---		
					Total Tons	---	**384.50**		

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Haule	lbs	tons	Disposal Facility	Manifest #
4th Quarter 2010	**No Shipments were made during the 4th Quarter 2010**									

TABLE 7
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	Bill of Lading Number	picked up date	Volume or Weight	Lbs or Gal	tons	Waste Hauler	Disposal Facility	Manifest #
1st Quarter 2011	1	Misc. Demolition Debris, Solid Waste	40 CY Bin	NA	NA	1/13/2011	NA		NA	Midwest Sanitary Services	Roxana Landfill, IL	NA
	2	Unused Oil	Vacuum Truck	NA	NA	1/14/2011	2,315	gal	NA	RS Used Oil Services	RS Used Oil Services, IL	008153818JJK
	3	Oily Water	Vacuum Truck	NA	NA	1/17/2011	1,105	gal	NA	RS Used Oil Services	RS Used Oil Services, IL	006611023JJK
	4	Crushed Drums	40 CY Bin	40108	47173	1/17/2011	4,060	lb	2.03	Midwest Sanitary Services	Roxana Landfill, IL	NA
	5	Grease and crushed drums	20 CY Bin	20841	NA	1/24/2011	10,380	lb	5.19	Midwest Sanitary Services	Milam Landfill, IL	00350687WAS
						Total Pounds	**14,440**					
						Total Tons	---		**7.22**			

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Haule	lbs	tons	Disposal Facility	Manifest #
2nd Quarter 2011	**No Shipments were made during the 2nd Quarter 2011**									

	Number of Shipments	Description	Container Size	Bin #	picked up date	Waste Hauler	lbs	tons	Disposal Facility	Manifest #
3rd Quarter 2011	**No Shipments were made during the 3rd Quarter 2011**									

TABLE 7
Summary of Non-Hazardous Solids, Liquids, and Special Waste Disposal Shipments
4th Quarter 2011 Progress Report
Estate of Chemetco
Hartford, Illinois

	Number of Shipments	Description	Container Size	Bin #	Bill of Lading Number	picked up date	Lbs or Gal		tons	Waste Hauler	Disposal Facility	Manifest #
4th Quarter 2011	1	Non-Haz Trash Debris	40 CY	4013	NA	11/2/2011	12,500		6.25	MidWest	Roxana Landfill	NA
	2	Non-Haz Trash Debris	40 CY	4013	NA	11/18/2011	7,640		3.82	MidWest	Roxana Landfill	NA
	3	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	10,560		5.28	MidWest	Roxana Landfill	NA
	4	Non-Haz Trash Debris	40 CY	4013	NA	12/8/2011	15,180		7.59	MidWest	Roxana Landfill	NA
	5	Non-Haz Trash Debris	40 CY	4013	NA	12/15/2011	1,740		0.87	MidWest	Roxana Landfill	NA
	6	Universal Waste	fiber drums	NA	NA	11/11/2011	242		0.121	Heritage	Waste Management, Kaiser, Mo	003552160FLE
						Total Pounds	**47,862**					
						Total Tons			**23.931**			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048983809	1	(636)346-0413	003552160 FLE

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC. / DAVID HERRERA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
(618)254-4331

Generator's Site Address (if different than mailing address)
CHEMETCO, INC. / DAVID HERRERA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
GEN: 118574

Generator's Phone:

6. Transporter 1 Company Name: MERITAGE TRANSPORT,LLC - WOOD RIVER
U.S. EPA ID Number: IND056484114

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
WASTE MANAGEMENT LANDTRACKER
415 KAISER INDUSTRIAL
KAISER, MO 6504?
(573)302-7575
U.S. EPA ID Number: MOR000504456

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN2809,MERCURY,8,PGIII,(UNIVERSAL WASTE - MERCURY SWITCHES),ERG#172 (1.5,UF)	1	DF	2	P	
	2. NON-DOT UNIVERSAL WASTE-MERCURY CONTAINING LAMPS (Large Lamps)	2	DF	68	P	
	3. NON-DOT/NON-RCRA REGULATED (Non-RCRA Batt.) (1.20,UF)	1	DF	172	P	
	4.					

14. Special Handling Instructions and Additional Information
1.TW3167336 2.TW3167333 3.TW3167335
W46 W44 W45

(15627931

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia
Signature: Jorge Garcia
Month: 11 Day: 11 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JASON [illegible]
Signature:
Month: 11 Day: 11 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: Day: Year:

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ILD048843809
2. Page 1 of: 1
3. Emergency Response Phone: (636)346-0413
4. Manifest Tracking Number: 000372829WAS

5. Generator's Name and Mailing Address:
CHEMETCO, INC. / DAVID HERRERA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
(618)254-4381

Generator's Site Address (if different than mailing address):
CHEMETCO, INC. / DAVID HERRERA
3754 CHEMETCO LN
HARTFORD, IL 62048-2956
GEN: 118574

Generator's Phone:

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: Heritage Transport — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(LEAD, CADMIUM),(D006 D008),ERG#171, (misc supersack, wood pallets)	1	CM	13860	lbs	D006 D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WS_0631278_T#3182680
40 CY,
BIN # 40172
[1567488]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: [signature] — Month 11 Day 30 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Evans — Signature: [signature] — Month 11 Day 30 Year 11
Transporter 2 Printed/Typed Name: Adam Will — Signature: [signature] — Month 12 Day 01 Year 11

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H129 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Adam Will — Signature: [signature] — Month 12 Day 7 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048843809	1	(636)346-0413	000440794WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: Heritage TRANSport — U.S. EPA ID Number: INDO58484114

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
(317)243-0811
Facility's Phone: — U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (CADMIUM, LEAD), (D006 D008), ERG#171	1	CM	32620	lb	D006	D008	
	2. CMISC, wood, rubble, metal, plastic, insulation)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
40 cy
BIN # #040109

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month 12 Day 12 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Joe Kaal — Signature: Joe Kaal — Month 12 Day 12 Year 11

Transporter 2 Printed/Typed Name: ADAM WILL — Signature: Adam Will — Month 12 Day 13 Year 11

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Eric Chris — Signature: Eric Chris — Month 12 Day 17 Year 11

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048843809	1	(636)346-0413	000440793WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GER; 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (CADMIUM, LEAD), (D006 D008), ERG#171	1	CM	25100	lbs	D006	D008	
	2. CMPC debris, wood, plastic, metal, spills)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
40 cy
BIN # 4042

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month: 11 Day: 17 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. (Port of entry/exit:)
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Evans — Signature: David Evans — Month: 11 Day: 17 Year: 11
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month — Day — Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048943909	1	(636)345-0413	000440792WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 119574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES
U.S. EPA ID Number: ILD052980272

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (CADMIUM, LEAD), (D006 D008), ERG#171	1	CM	27480	lbs	D006	D008	
	2. (misc. debris, plastic, wood, pipe, mtl, soil)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
40 cy
BIN# 40124

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia
Signature: Jorge J Garcia
Month: 11 Day: 17 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOE KAHL
Signature: Joe Kahl
Month: 11 Day: 17 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE ~~MANIFEST~~

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD049943909	1	(626)346-0413	000[illegible]791WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 116574

6. Transporter 1 Company Name
MIDWEST SANITARY SERVICES
U.S. EPA ID Number
ILD053980272

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7301 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number
IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	32480	16	D006	D008	
	2. CMNC, Spills, Metals, concrete, Pipes							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
2 cy
BIN # 20300

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia
Signature: Jorge J Garcia
Month: 11 Day: 17 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Evans
Signature: Dave Evans
Month: 11 Day: 17 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048643909	1	(636)346-0413	000440790WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053950272

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (CADMIUM, LEAD), (D006 D008), ERG#171	1	CM	33080	lb	D006	D008	
	2. (MISC debris Spills, Concrete, Met. Pipes)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
DOCY
Bin # 2066

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month: 11 Day: 16 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOE KARL — Signature: Joe Karl — Month: 11 Day: 16 Year: 11

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ILD048843809
2. Page 1 of: 1
3. Emergency Response Phone: (636)346-0413
4. Manifest Tracking Number: 000440789WAS

5. Generator's Name and Mailing Address:
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address):
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	32516	lbs	D006 D008
	2. (MISC const debris, plastic, metal PPE, spills)					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
40 CY
BIN # 40101

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge Garcia — Month 11 Day 15 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JERRY WILSON — Signature: Jerry Wilson — Month 11 Day 15 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048043809	1	(636)346-0413	000440782WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4381
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES
U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (CADMIUM, LEAD), (D006 D008), ERG#171	1	CM	33980	lb	D006	D008	
	2. (misc. metal, spill, wildfire)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(904)
BIN # 40130

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia
Signature: Jorge Garcia
Month: 11 Day: 14 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MATTHEW MOORE
Signature: Matthew Moore
Month: 11 Day: 14 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048843909	1	(636)346-0413	000440787WAS

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	33,100	lbs	D006 D008
	2. CMISC, pipes, metals, plastic, concrete, spills, wood debris)					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(40 cy) BIN # 4029

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge G Garcia — Month 11 Day 11 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JERRY Wilson — Signature: Jerry Wilson — Month 11 Day 11 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ILD048843909
2. Page 1 of: 1
3. Emergency Response Phone: (636)346-0413
4. Manifest Tracking Number: 000440784WAS

5. Generator's Name and Mailing Address:
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
Generator's Phone: (618)254-4381

Generator's Site Address (if different than mailing address):
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
GEN: 118574

6. Transporter 1 Company Name: MIDWEST SANITARY SERVICES — U.S. EPA ID Number: ILD053980272

7. Transporter 2 Company Name: — U.S. EPA ID Number: 11 10 11

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number: IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	33¼	T	D006	D008
	2. Cmisc debris: plastic, wood, metal spills						
	3.						
	4.						

14. Special Handling Instructions and Additional Information: 40 cy Bin # 40170

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia — Signature: Jorge J Garcia — Month 11 Day 10 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Evans — Signature: David Evans — Month 11 Day 10 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ILD048843909	1	(636)346-0413	000440795WAS

GENERATOR

5. Generator's Name and Mailing Address
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
(618)254-4391
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEMETCO, INC.
3754 CHEMETCO LN
HARTFORD, IL 62048
OEM: 118574

6. Transporter 1 Company Name
MIDWEST SANITARY SERVICES
U.S. EPA ID Number
ILD053980272

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231
Facility's Phone: (317)243-0811
U.S. EPA ID Number
IND093219012

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(CADMIUM, LEAD),(D006 D008),ERG#171	1	CM	33500	lb	D006	D008	
	2. (Misc. Plastic, Metals, debris, etc.)							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
40cy
BIN# 4088

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Garcia
Signature: Jorge G Garcia
Month: 11 Day: 9 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Paul Evans
Signature: Paul Evans
Month: 11 Day: 9 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | **4. Manifest Tracking Number**

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.					
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

ROXANA LANDFILL
4600 CAHOKIA CREEK RD
ROXANA, IL. 62084
618-656-3929

000290
MIDWEST SANITARY SERVICES
P.O. BOX 83
WOOD RIVER, IL 62095
Contract: CONTRACT

SITE 79	TICKET 190688	GRID
CRYSTAL H	SCALE OPERATOR	
DATE IN 8 December 2011	TIME IN 8:41 am	
DATE OUT 8 December 2011	TIME OUT 8:41 am	
VEHICLE WFC40012	ROLL OFF	
REFERENCE	ORIGIN ILLINOIS	

00 Gross Weight 44,200.00 lb Inbound —
Stored Tare Weight 35,460.00 lb
Net Weight 8,740.00 lb 4.37 TN

QTY	UNIT	MSW	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
4.37	TN	MSW					

All customers exiting their vehicles must abide by all Republic Services Inc. safety standards, including the proper use of hard hats and ANSI 2 standard hi-vis reflective clothing. By Signature below, customer acknowledges receipt and understanding of said safety rules.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

ROXANA LANDFILL
4600 CAHOKIA CREEK RD
ROXANA, IL. 62084
618-656-3929

000290
MIDWEST SANITARY SERVICES
P.O. BOX 83
WOOD RIVER, IL. 62095
Contract: CONTRACT

SITE 9	TICKET 90963	GRID
CRYSTAL H	SCALE OPERATOR	
DATE IN 9 December 2011		TIME IN 9:45 am
DATE OUT 9 December 2011		TIME OUT 9:45 am
VEHICLE JR04-0012		ROLL OFF
REFERENCE	ORIGIN ILLINOIS	

Gross Weight 48,760.00 lb Inbound
Stored Tare Weight 35,460.00 lb
Net Weight 13,300.00 lb 6.65 TN

QTY	UNIT	AA	MSW	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
6.65								

All customers exiting their vehicles must abide by all Republic Services Inc. safety standards, including the proper use of hard hats and ANSI 2 standard hi-vis reflective clothing. By Signature below, customer acknowledges receipt and understanding of said safety rules.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE JCW

ROXANA LANDFILL
4600 CAHOKIA CREEK RD
ROXANA, IL. 62084
618-656-3929

000290
MIDWEST SANITARY SERVICES
P.O. BOX 83
WOOD RIVER, IL 62095
Contract: CONTRACT

SHIP	TICKET/LOG
CRYSTAL H	WEIGHMASTER
DATE IN 18 November 2011	TIME IN 12:18 pm
DATE OUT 18 November 2011	TIME OUT 12:18 pm
VEHICLE R04-0012	ROLL OFF
REFERENCE	ORIGIN ILLINOIS

Gross Weight 41,480.00 lb Inbound =
Stored Tare Weight 35,460.00 lb
Net Weight 6,020.00 lb 3.01 TN

QTY. 3.01	UNIT	AA MSW	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

All customers exiting their vehicles must abide by all Republic Services Inc. safety standards, including the proper use of hard hats and ANSI 2 standard hi-vis reflective clothing. By Signature below, customer acknowledges receipt and understanding of said safety rules.

TENDERED	
CHANGE	
CHECK NO.	

SIGNATURE JW

ROXANA LANDFILL
4600 CAHOKIA CREEK RD
ROXANA, IL. 62084
618-656-3929

000290
MIDWEST SANITARY SERVICES
P.O. BOX 83
WOOD RIVER, IL 62095
Contract: CONTRACT

SITE 9	TICKET 83446	GRID
CRYSTAL H	SCALE OPERATOR	
DATE IN 2 November 2011		TIME IN 9:34 am
DATE OUT November 2011		TIME OUT 9:34 am
VEHICLE FC04-00662		ROLL OFF
REFERENCE	ORIGIN ILLINOIS	

Gross Weight 44,620.00 lb Inbound
Stored Tare Weight 32,840.00 lb
Net Weight 11,780.00 lb 5.89 TN

QTY. 5.89	UNIT	AA	MSW	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL

All customers exiting their vehicles must abide by all Republic Services Inc. safety standards, including the proper use of hard hats and ANSI 2 standard hi-vis reflective clothing. By Signature below, customer acknowledges receipt and understanding of said safety rules.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Box 4013

SIGNATURE

SCALE TICKET

Chemetco

FIRST IN PEOPLE – QUALITY – SERVICE

P.O. Box 8 • Hartford, IL 62048

94987

CUSTOMER OR SUPPLIER MIDWEST MUNICIPAL TRANSIT

DATE 12/15/11

	TIME	DATE	REGISTER NO	WEIGHTS
GROSS				35620 LB 12:43 PM 12 15 11
TARE				33880
NET REC.				1740

LOT NUMBER: 7 | 8 | 9 | 10 | 11

R.R. CAR NO.

MARKED TARE

TRUCK NO.

TRAILER NO. 4013

WEATHER

DRIVER'S SIGNATURE X

WEIGHER X

PRODUCT

27840
6040
33880

37840 LB 12:30 PM 12 15 11

33740 LB 10:17 AM 12 09 11
27700
6040
1

Jerry Wilson

APPENDIX D NPDES eDMR forms and Analytical Results

TABLE 8
Summary of NPDES Stormwater Data
4th Quarter Progress Report
Estate of Chemetco
Hartford, Illinois

NPDES IL0025474, OUTFALL: #005 DATA TRACKING-30 Day Average
UPDATED 1-25-2012
(EXCEEDANCES OF STDS SHOWN IN SHADED CELLS AND BOLD FONT)

		NPDES #005 OUTFALL DISCHARGE SAMPLE ANALYSIS															
Parameter	Units	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD Average	35IAC304 Effluent Water Quality Stds (mg/l)	12 Month Running Avg	12 Mo Avg vs. Effluent Stds
BOD, 5-Day	mg/L	<5	6	12	<5	5	<5	13	8	9	<5	<5	<5	6.92	30	6.92	23.1%
Oxygen Demand, Chemical	mg/L	<50	<50	57	<50	<50	<50	61	67	55	64	50	<50	54.50	50	54.50	109.0%
pH		2.61	9.04	9.49	8.63	9.24	8.79	9.59	9.26	9.37	8.87	7.95	8.43	8.44	9.0	8.44	93.8%
Solids, Total Suspended	mg/L	<6	24.00	28.00	17.00	16.00	<6	12.00	24.00	32.00	19.00	16.00	12.00	17.67	15	17.67	117.8%
Arsenic, Total	mg/L	<0.0250	<0.0250	0.0274	0.0378	0.0374	0.0286	0.0352	0.0287	<0.0250	<0.0250	<0.0250	<0.0250	0.0288	0.25	0.0288	11.5%
Barium, Total	mg/L	0.0702	0.0808	0.0743	0.0777	0.0787	0.0664	0.0683	0.0618	0.1620	0.1250	0.1300	0.1050	0.0917	2.00	0.0917	4.6%
Cadmium, Total	mg/L	0.0027	0.0073	0.0157	0.0411	0.0279	0.0127	<0.0020	<0.0020	0.0036	0.0038	0.0528	0.0375	0.0174	0.15	0.0174	11.6%
Chromium, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	1.00	0.0100	nil
Copper, Total	mg/L	0.0207	0.0640	0.0841	0.2340	0.1480	0.0560	0.0703	0.0263	0.0474	0.0486	0.3590	0.1400	0.1082	0.50	0.1082	21.6%
Iron, Total	mg/L	0.0578	0.3510	0.4790	0.7040	0.3460	0.1780	0.1820	0.0755	0.1690	0.2180	0.7740	0.4630	0.3331	2.00	0.3331	16.7%
Lead, Total	mg/L	<0.0400	0.0969	0.1680	0.2200	0.1670	0.0536	0.0727	<0.0400	0.0412	0.0727	0.4580	0.1580	0.1323	0.20	0.1323	66.2%
Manganese, Total	mg/L	0.0516	0.1660	0.1410	0.0985	0.0925	0.0808	0.0515	0.1460	0.1270	0.1720	0.1980	0.1770	0.1252	1.00	0.1252	12.5%
Nickel, Total	mg/L	0.0187	0.0411	0.0644	0.0868	0.0411	0.0384	0.0176	0.0146	0.0193	0.0203	0.0465	0.0477	0.0380	1.00	0.0380	3.8%
Selenium, Total	mg/L	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0500	None	0.0500	nil
Silver, Total	mg/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0100	0.10	0.0100	nil
Zinc, Total	mg/L	0.0839	0.2300	0.3640	0.6720	0.4500	0.1560	0.0646	0.0357	0.1160	0.1010	1.5700	1.0100	0.4044	1.00	0.4044	40.4%
Oil and Grease	mg/L	<5	<6	<5	<6	<5	<6	<6	<6	<6	<6	<6	<6	5.75	15	5.75	38.3%
Nitrogen, Ammonia, Total	mg/L	0.140	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.180	<0.10	0.11	None	0.11	nil
Avg Flow (MGD)	MGD	0.001440	0.017280	0.001584	0.019440	0.002016	0.003600	0.000288	0.000000	0.000000	0.000230	0.000605	0.002736	0.004102		0.004102	nil
Avg flow (GPM)	GPM	1.00	12.00	1.10	13.50	1.40	2.50	0.20	0.00	0.00	0.16	0.42	1.90	2.85		2.848	nil
															Note: pH 6-9		

Note:
MGD = million gallons per day
GPM = Gallons per minute
Highlighted colored cells reflect 2011 results

PERMITTEE NAME / ADDRESS

NAME

ESTATE OF CHEMETCO-HARTFORD

ADDRESS

3574 CHEMETCO LANE

HARTFORD IL 62048

FACILITY

CHEMETCO-HARTFORD, ESTATE OF

LOCATION

3574 CHEMETCO LANE

HARTFORD IL 62048

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	**DISCHARGE NUMBER**	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	10 - 01 - 2011	TO	10 - 31 - 2011

Discharge Description

STORMWATER LAGOON

Discharge Type

EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	< 5	< 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	= 64	= 64		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 8.87	******	= 8.87		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 19.00	= 19.00		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										

COMMENTS:												
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< .0250	< .0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= .1250	= .1250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0038	= 0.0038		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0486	= 0.0486		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Iron, total (as Fe) 01045 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.2180	= 0.2180		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0727	= 0.0727		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.1720	= 0.1720		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0203	= 0.0203		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.1010	= 0.1010		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 6	< 6		0	01/30	GR

Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Nitrogen, ammonia, total (as NH3) 34726 1 0		SAMPLE MEASUREMENT	******	******		******	< 0.10	< 0.10		0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Flow, in conduit or thru treatment plant 50050 1 0		SAMPLE MEASUREMENT	= 0.000230	= 0.000230		******	******	******		0	99/99	
Effluent Gross		PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE		DESCRIPTION:										
COMMENTS:												

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By	Date
00012226 + CN=Jorge Y Garcia	12 - 12 - 2011

PERMITTEE NAME / ADDRESS

NAME

ESTATE OF CHEMETCO-HARTFORD

ADDRESS

3574 CHEMETCO LANE

HARTFORD IL 62048

FACILITY

CHEMETCO-HARTFORD, ESTATE OF

LOCATION

3574 CHEMETCO LANE

HARTFORD IL 62048

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	**DISCHARGE NUMBER**	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	11 - 01 - 2011	TO	11 - 30 - 2011

Discharge Description

STORMWATER LAGOON

Discharge Type

EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	< 5	< 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		**DESCRIPTION:**									
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	= 50	= 50		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		**DESCRIPTION:**									
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 7.95	******	= 7.95		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		**DESCRIPTION:**									
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 16	= 16		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		**DESCRIPTION:**									

COMMENTS:												
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.1300	= 0.1300		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0528	= 0.0528		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.3590	= 0.3590		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Iron, total (as Fe) 01045 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.7740	= 0.7740		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.4580	= 0.4580		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.1980	= 0.1980		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0465	= 0.0465		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 1.57	= 1.57		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 6	< 6		0	01/30	GR

Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Nitrogen, ammonia, total (as NH3) 34726 1 0		SAMPLE MEASUREMENT	******	******		******	= 0.180	= 0.180		0	01/30	GR
Effluent Gross		PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Flow, in conduit or thru treatment plant 50050 1 0		SAMPLE MEASUREMENT	= 0.000605	= 0.000605		******	******	******		0	99/99	
Effluent Gross		PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE		DESCRIPTION:										
COMMENTS:												

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By	Date
00012226 + CN=Jorge Y Garcia	12 - 12 - 2011

PERMITTEE NAME / ADDRESS

NAME
ESTATE OF CHEMETCO-HARTFORD

ADDRESS
3574 CHEMETCO LANE
HARTFORD IL 62048

FACILITY
CHEMETCO-HARTFORD, ESTATE OF

LOCATION
3574 CHEMETCO LANE
HARTFORD IL 62048

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT(DMR)

IL0025747	005 0	Minor
PERMIT NUMBER	DISCHARGE NUMBER	06

MONITORING PERIOD			
	MO - DAY - YEAR		MO - DAY - YEAR
FROM	12 - 01 - 2011	TO	12 - 31 - 2011

Discharge Description: STORMWATER LAGOON

Discharge Type: EXO

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	Frequency of Analysis	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT			
BOD, 5-day, 20 deg. C 00310 1 0	SAMPLE MEASUREMENT	******	******		******	< 5	< 5		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oxygen demand, chem. (high level) (COD) 00340 1 0	SAMPLE MEASUREMENT	******	******		******	< 50	< 50		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
pH 00400 1 0	SAMPLE MEASUREMENT	******	******		= 8.43	******	= 8.43		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	>= 6 MO MIN	******	<= 9 MO MAX	(12) SU		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Solids, total suspended 00530 1 0	SAMPLE MEASUREMENT	******	******		******	= 12	= 12		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									

COMMENTS:												
Arsenic, total (as As) 01002 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0250	< 0.0250		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Barium, total (as Ba) 01007 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.105	= 0.105		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Cadmium, total (as Cd) 01027 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0375	= 0.0375		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Chromium, total (as Cr) 01034 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Copper, total (as Cu) 01042 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.140	= 0.140		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											
Iron, total (as Fe) 01045 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.463	= 0.463		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE	DESCRIPTION:										
COMMENTS:											

Lead, total (as Pb) 01051 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.158	= 0.158		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Manganese, total (as Mn) 01055 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.177	= 0.177		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Nickel, total (as Ni) 01067 1 0	SAMPLE MEASUREMENT	******	******		******	= 0.0477	= 0.0477		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Silver, total (as Ag) 01077 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0100	< 0.0100		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Zinc, total (as Zn) 01092 1 0	SAMPLE MEASUREMENT	******	******		******	= 1.01	= 1.01		1	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Selenium, total (as Se) 01147 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.0500	< 0.0500		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:									
COMMENTS:											
Oil and grease 03582 1 0	SAMPLE MEASUREMENT	******	******		******	< 6	< 6		0	01/30	GR

Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Nitrogen, ammonia, total (as NH3) 34726 1 0	SAMPLE MEASUREMENT	******	******		******	< 0.10	< 0.10		0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	30DA AVG	DAILY MX	(19) mg/L		01/30 - Once Per Month	GR - GRAB
NO DATA CODE		DESCRIPTION:										
COMMENTS:												
Flow, in conduit or thru treatment plant 50050 1 0	SAMPLE MEASUREMENT	= 0.002736	= 0.002736		******	******	******		0	99/99	
Effluent Gross	PERMIT REQUIREMENT	30DA AVG	DAILY MX	(03) Mgal/d	******	******	******	******		99/99 - Continuous	-
NO DATA CODE		DESCRIPTION:										
COMMENTS:												

CONSIDERATION FOR FORM COMPLETION

SAMPLE FREQUENCY SHALL BE ONCE AMONTH WHEN DISCHARGING.

FORM COMMENTS

PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statues may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Submitted By	Date
00012226 + CN=Jorge Y Garcia	01 - 18 - 2012

November 07, 2011

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618)254-4381
FAX: (618)254-0138

RE: NPDES #005 **WorkOrder:** 11101110

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 10/31/2011 11:48:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco

Work Order: 11101110

Client Project: NPDES #005

Report Date: 07-Nov-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- H - Holding times exceeded
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level

Client: Chemetco

Work Order: 11101110

Client Project: NPDES #005

Report Date: 07-Nov-11

Cooler Receipt Temp: 1.0 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	**Address**	3920 Pintail Dr Springfield, IL 62711-9415	**Address**	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	**Phone**	(217) 698-1004	**Phone**	(913) 541-1998
Fax	(618) 344-1005	**Fax**	(217) 698-1005	**Fax**	(913) 541-1998
Email	jhriley@teklabinc.com	**Email**	kmcclain@teklabinc.com	**Email**	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2012	Collinsville

Client: Chemetco
Work Order: 11101110

Client Project: NPDES #005
Report Date: 07-Nov-11

Lab ID: 11101110-001
Client Sample ID: NPDES #005

Matrix: AQUEOUS
Collection Date: 10/31/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		**< 6**	mg/L	1	11/01/2011 10:10	R156131
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**< 0.10**	mg/L	1	11/02/2011 14:40	R156173
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**64**	mg/L	1	11/03/2011 14:01	R156202
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.87**		1	10/31/2011 21:26	R156075
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**19**	mg/L	1	10/31/2011 13:14	R156069
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		**< 5**	mg/L	1	10/31/2011 19:43	72480
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/02/2011 12:32	72491
Barium	NELAP	0.0050		**0.125**	mg/L	1	11/02/2011 12:32	72491
Cadmium	NELAP	0.0020		**0.0038**	mg/L	1	11/02/2011 12:32	72491
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	11/02/2011 12:32	72491
Copper	NELAP	0.0100		**0.0486**	mg/L	1	11/02/2011 12:32	72491
Iron	NELAP	0.0200		**0.218**	mg/L	1	11/02/2011 12:32	72491
Lead	NELAP	0.0400		**0.0727**	mg/L	1	11/02/2011 12:32	72491
Manganese	NELAP	0.0050		**0.172**	mg/L	1	11/02/2011 12:32	72491
Nickel	NELAP	0.0100		**0.0203**	mg/L	1	11/02/2011 12:32	72491
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	11/02/2011 12:32	72491
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	11/02/2011 12:32	72491
Zinc	NELAP	0.0100		**0.101**	mg/L	1	11/02/2011 12:32	72491

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco
Client Project: NPDES #005

Work Order: 11101110
Report Date: 07-Nov-11

Carrier: Dawn Brantley

Completed by: Timothy W. Mathis
On: 31-Oct-11

Received By: TWM

Reviewed by: Elizabeth A. Hurley
On: 31-Oct-11

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp ℃	*1.0*	
Type of thermal preservation?	None ☐	Ice ☐	Blue Ice ☑	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials	☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

Any No responses must be detailed below or on the COC.

Print Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 1110116

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco

3754 Chemetco Lane

Hartford | IL | 62048

Project: NPDES #005

Are the samples chilled? (X) Yes ( ) No with: ( ) Ice (X) Blue ice

Preserved in ( ) Lab (X) Field

TW 10-31-11

Cooler Temp 1.0 Sampler Jorge Garcia

Comments: eMail: jgarcia@chemetcoestate.com

Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia eMail see comments Phone (618) 254-4381 Requested Due Date NTAT Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
1110116 001	NPDES #005	10-31-11 930	Other	Aqueous	X	X	X	X	X	X	X					
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	10-31-11 11:25		10/31/11 1125
	10/31/.. 1148		10-31-11 1148

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

December 06, 2011

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618)254-4381
FAX: (618)254-0138

RE: NPDES #005 **WorkOrder:** 11111169

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 11/30/2011 12:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: Chemetco **Work Order:** 11111169

Client Project: NPDES #005 **Report Date:** 06-Dec-11

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- H - Holding times exceeded
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level

Client: Chemetco

Work Order: 11111169

Client Project: NPDES #005

Report Date: 06-Dec-11

Cooler Receipt Temp: 1.6 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	kmcclain@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2012	Collinsville

Client: Chemetco
Work Order: 11111169
Client Project: NPDES #005
Report Date: 06-Dec-11
Lab ID: 11111169-001
Client Sample ID: NPDES #005
Matrix: AQUEOUS
Collection Date: 11/30/2011 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		**< 6**	mg/L	1	12/02/2011 10:19	R157325
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**0.18**	mg/L	1	12/02/2011 9:18	R157302
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**50**	mg/L	1	12/02/2011 11:18	R157290
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**7.95**		1	12/01/2011 10:48	R157254
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**16**	mg/L	1	12/01/2011 7:28	R157263
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		**< 5**	mg/L	1	12/01/2011 12:42	73308
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	12/01/2011 18:33	73283
Barium	NELAP	0.0050		**0.130**	mg/L	1	12/01/2011 18:33	73283
Cadmium	NELAP	0.0020		**0.0528**	mg/L	1	12/01/2011 18:33	73283
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	12/01/2011 18:33	73283
Copper	NELAP	0.0100		**0.359**	mg/L	1	12/01/2011 18:33	73283
Iron	NELAP	0.0200		**0.774**	mg/L	1	12/01/2011 18:33	73283
Lead	NELAP	0.0400		**0.458**	mg/L	1	12/01/2011 18:33	73283
Manganese	NELAP	0.0050		**0.198**	mg/L	1	12/01/2011 18:33	73283
Nickel	NELAP	0.0100		**0.0465**	mg/L	1	12/01/2011 18:33	73283
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	12/01/2011 18:33	73283
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	12/01/2011 18:33	73283
Zinc	NELAP	0.0100		**1.57**	mg/L	1	12/01/2011 18:33	73283

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco

Work Order: 11111169

Client Project: NPDES #005

Report Date: 06-Dec-11

Carrier: Dawn Brantley

Received By: BSJ

Completed by: Timothy W. Mathis
On: 30-Nov-11

Reviewed by: Marvin L. Darling
On: 30-Nov-11

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		Temp °C	1.6
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐		Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.						
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials	☑		
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑		
Water - pH acceptable upon receipt?	Yes ☑	No ☐				

Any No responses must be detailed below or on the COC.

Print Form

Teklab Chain of Custody

Pg. 1 of 1   Workorder 11111169

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco
3754 Chemetco Lane
Hartford | IL | 62048
Project: NPDES #005

Are the samples chilled? (X) Yes ( ) No   with: ( ) Ice (X) Blue ice   Preserved in ( ) Lab (X) Field TM 11-30-11

Cooler Temp 1.6   Sampler Jorge Garcia

Comments:
eMail: jgarcia@chemetcoestate.com
Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia   eMail see comments   Phone (618) 254-4381   Requested Due Date NTAT   Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
11111169 001	NPDES #005	11-30-11 8:15	Other	Aqueous	X	X	X	X	X	X	X					
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	11-30-11 1225	[signature]	11/30/11 1225
[signature]	11/30/11 1245	Brenda [signature]	11/30/11 1245

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

January 03, 2012

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618)254-4381
FAX: (618)254-0138

RE: NPDES #005 **WorkOrder:** 11121159

Dear Jorge Garcia:

TEKLAB, INC received 1 sample on 12/28/2011 2:40:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco

Work Order: 11121159

Client Project: NPDES #005

Report Date: 03-Jan-12

Abbr Definition

CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MB	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
M - Manual Integration used to determine area response	ND - Not Detected at the Reporting Limit
R - RPD outside accepted recovery limits	S - Spike Recovery outside recovery limits
X - Value exceeds Maximum Contaminant Level	

Client: Chemetco

Work Order: 11121159

Client Project: NPDES #005

Report Date: 03-Jan-12

Cooler Receipt Temp: 1.2 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	**Address**	3920 Pintail Dr Springfield, IL 62711-9415	**Address**	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	**Phone**	(217) 698-1004	**Phone**	(913) 541-1998
Fax	(618) 344-1005	**Fax**	(217) 698-1005	**Fax**	(913) 541-1998
Email	jhriley@teklabinc.com	**Email**	kmcclain@teklabinc.com	**Email**	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2012	Collinsville

Client: Chemetco
Work Order: 11121159
Client Project: NPDES #005
Report Date: 03-Jan-12
Lab ID: 11121159-001
Client Sample ID: NPDES #005
Matrix: AQUEOUS
Collection Date: 12/28/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		**< 6**	mg/L	1	12/30/2011 8:12	R158326
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		**< 0.10**	mg/L	1	12/29/2011 14:22	R158284
EPA 600 410.4								
Chemical Oxygen Demand	NELAP	50		**< 50**	mg/L	1	01/03/2012 8:21	R158324
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.43**		1	12/30/2011 8:50	R158292
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**12**	mg/L	1	12/29/2011 7:15	R158266
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		**< 5**	mg/L	1	12/29/2011 13:25	73977
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	12/29/2011 13:03	73950
Barium	NELAP	0.0050		**0.105**	mg/L	1	12/29/2011 13:03	73950
Cadmium	NELAP	0.0020		**0.0375**	mg/L	1	12/29/2011 13:03	73950
Chromium	NELAP	0.0100		**< 0.0100**	mg/L	1	12/29/2011 13:03	73950
Copper	NELAP	0.0100		**0.140**	mg/L	1	12/29/2011 13:03	73950
Iron	NELAP	0.0200		**0.463**	mg/L	1	12/29/2011 13:03	73950
Lead	NELAP	0.0400		**0.158**	mg/L	1	12/29/2011 13:03	73950
Manganese	NELAP	0.0050		**0.177**	mg/L	1	12/29/2011 13:03	73950
Nickel	NELAP	0.0100		**0.0477**	mg/L	1	12/29/2011 13:03	73950
Selenium	NELAP	0.0500		**< 0.0500**	mg/L	1	12/29/2011 13:03	73950
Silver	NELAP	0.0100		**< 0.0100**	mg/L	1	12/29/2011 13:03	73950
Zinc	NELAP	0.0100		**1.01**	mg/L	1	12/29/2011 13:03	73950

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Chemetco
Client Project: NPDES #005

Work Order: 11121159
Report Date: 03-Jan-12

Carrier: Josh Cerar

Completed by: Megan Tate
On: 28-Dec-11

Received By: MT

Reviewed by: Marvin L. Darling
On: 28-Dec-11

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		Temp ℃	1.2	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐		Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐				
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐					
When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.							
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials	☑			
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers	☑			
Water - pH acceptable upon receipt?	Yes ☑	No ☐					

Any No responses must be detailed below or on the COC.

Print Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 1112-1159

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Chemetco

3754 Chemetco Lane

Hartford | IL | 62048

Project: NPDES #005

Are the samples chilled? [X] Yes ( ) No with: [X] Ice [X] Blue ice — Preserved in ( ) Lab [X] Field

Cooler Temp 1.2 Sampler Jorge Garcia MT 12/28/11 MT 12/28/11

Comments: eMail: jgarcia@chemetcoestate.com
Metals: As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Se, Ag, and Zn

Contact Jorge Garcia eMail see comments Phone (618) 254-4381 Requested Due Date NTAT Billing/PO

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	BOD	TSS	pH	Metals	Oil & Grease	Ammonia	COD					
1112-1159 001	NPDES #005	12-28-11 840	Other	Aqueous	X	X	X	X	X	X	X					
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												
			Unpres	Aqueous												

Relinquished By *	Date/Time	Received By	Date/Time
Jorge Garcia	11-28-11	[signature]	12/28/11 1350
[signature]	12/28/11 1440	[signature]	12/28/11 1440

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

Teklab, Inc.
Environmental Laboratory

December 28, 2011

Jorge Garcia
Chemetco
3754 Chemetco Lane
Hartford, IL 62048
TEL: (618)254-4381
FAX: (618)254-0138

NELAP ACCREDITED TNI LABORATORY

RE: Frac Tanks **WorkOrder:** 11120957

Dear Jorge Garcia:

TEKLAB, INC received 3 samples on 12/21/2011 10:17:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Client: Chemetco

Client Project: Frac Tanks

Work Order: 11120957

Report Date: 28-Dec-11

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

E - Value above quantitation range

J - Analyte detected below quantitation limits

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside recovery limits

B - Analyte detected in associated Method Blank

H - Holding times exceeded

M - Manual Integration used to determine area response

R - RPD outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Client Project: Frac Tanks

Work Order: 11120957
Report Date: 28-Dec-11

Cooler Receipt Temp: 5.8 °C

Locations and Accreditations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email kmcclain@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2012	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2012	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2012	Collinsville

Teklab Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-001
Client Sample ID: North Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	12/23/2011 9:05	R158135
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		0.48	mg/L	1	12/23/2011 9:57	R158164
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.21		1	12/21/2011 17:27	R158038
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		7	mg/L	1	12/22/2011 9:05	R158085
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	12/22/2011 15:51	73847
EPA 600 245.1 R3.0 (TOTAL)								
Mercury	NELAP	0.00020		0.00203	mg/L	1	12/23/2011 9:02	73843
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/22/2011 22:54	73829
Barium	NELAP	0.0100		0.0652	mg/L	2	12/23/2011 10:40	73829
Cadmium	NELAP	0.0040		0.140	mg/L	2	12/23/2011 10:40	73829
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	12/22/2011 22:54	73829
Copper	NELAP	0.0200		0.673	mg/L	2	12/23/2011 10:40	73829
Lead	NELAP	0.0800		0.799	mg/L	2	12/23/2011 10:40	73829
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/22/2011 22:54	73829
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/22/2011 22:54	73829
Zinc	NELAP	0.0200		1.58	mg/L	2	12/23/2011 10:40	73829
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-001
Client Sample ID: North Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
2-Butanone	NELAP	25.0		ND	µg/L	1	12/22/2011 15:50	73875
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	12/22/2011 15:50	73875
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
2-Hexanone	NELAP	25.0		ND	µg/L	1	12/22/2011 15:50	73875
2-Nitropropane	NELAP	50.0		ND	µg/L	1	12/22/2011 15:50	73875
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	12/22/2011 15:50	73875
Acetone	NELAP	25.0		ND	µg/L	1	12/22/2011 15:50	73875
Acetonitrile	NELAP	50.0		ND	µg/L	1	12/22/2011 15:50	73875
Acrolein	NELAP	100		ND	µg/L	1	12/22/2011 15:50	73875
Acrylonitrile	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Allyl chloride	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Benzene	NELAP	2.0		ND	µg/L	1	12/22/2011 15:50	73875
Bromobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Bromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Bromoform	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Bromomethane	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Butyl acetate		25.0		ND	µg/L	1	12/22/2011 15:50	73875
Carbon disulfide	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Chlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Chloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Chloroform	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Chloromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Chloroprene	NELAP	20.0		ND	µg/L	1	12/22/2011 15:50	73875
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Cyclohexanone		50.0		ND	µg/L	1	12/22/2011 15:50	73875
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Dibromomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Ethyl acetate	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Ethyl ether	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Heptane		20.0		ND	µg/L	1	12/22/2011 15:50	73875
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Hexachloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Iodomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	12/22/2011 15:50	73875
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 15:50	73875
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	12/22/2011 15:50	73875

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-001
Client Sample ID: North Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Methylacrylate		10.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Methylene chloride	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Naphthalene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 15:50	73875
n-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
n-Hexane		20.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	12/22/2011 15:50	73875
n-Propylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
o-Xylene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	12/22/2011 15:50	73875
p-Isopropyltoluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Propionitrile	NELAP	50.0		**ND**	µg/L	1	12/22/2011 15:50	73875
sec-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Styrene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
tert-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Tetrachloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Toluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
trans-1,2-Dichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
trans-1,3-Dichloropropene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Trichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Trichlorofluoromethane	NELAP	5.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Vinyl chloride	NELAP	2.0		**ND**	µg/L	1	12/22/2011 15:50	73875
Surr: 1,2-Dichloroethane-d4		74.7-129		**91.7**	%REC	1	12/22/2011 15:50	73875
Surr: 4-Bromofluorobenzene		86-119		**102.5**	%REC	1	12/22/2011 15:50	73875
Surr: Dibromofluoromethane		81.7-123		**96.5**	%REC	1	12/22/2011 15:50	73875
Surr: Toluene-d8		84.3-114		**96.5**	%REC	1	12/22/2011 15:50	73875

LCS recovered outside upper QC limits for Tetrachloroethene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-002
Client Sample ID: South Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	12/23/2011 9:05	R158135
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		0.17	mg/L	1	12/23/2011 9:57	R158164
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		8.16		1	12/21/2011 17:13	R158038
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	12/22/2011 9:05	R158085
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	12/22/2011 15:56	73847
EPA 600 245.1 R3.0 (TOTAL)								
Mercury	NELAP	0.00020		0.00089	mg/L	1	12/23/2011 9:02	73843
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		< 0.0250	mg/L	1	12/22/2011 23:00	73829
Barium	NELAP	0.0100		0.0182	mg/L	2	12/23/2011 10:52	73829
Cadmium	NELAP	0.0040		0.483	mg/L	2	12/23/2011 10:52	73829
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	12/22/2011 23:00	73829
Copper	NELAP	0.0200		0.182	mg/L	2	12/23/2011 10:52	73829
Lead	NELAP	0.0800		0.200	mg/L	2	12/23/2011 10:52	73829
Selenium	NELAP	0.0500		< 0.0500	mg/L	1	12/22/2011 23:00	73829
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/22/2011 23:00	73829
Zinc	NELAP	0.0200		1.99	mg/L	2	12/23/2011 10:52	73829
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-002
Client Sample ID: South Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
2-Butanone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:17	73875
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	12/22/2011 16:17	73875
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
2-Hexanone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:17	73875
2-Nitropropane	NELAP	50.0		ND	µg/L	1	12/22/2011 16:17	73875
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:17	73875
Acetone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:17	73875
Acetonitrile	NELAP	50.0		ND	µg/L	1	12/22/2011 16:17	73875
Acrolein	NELAP	100		ND	µg/L	1	12/22/2011 16:17	73875
Acrylonitrile	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Allyl chloride	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Benzene	NELAP	2.0		ND	µg/L	1	12/22/2011 16:17	73875
Bromobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Bromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Bromoform	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Bromomethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Butyl acetate		25.0		ND	µg/L	1	12/22/2011 16:17	73875
Carbon disulfide	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Chlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Chloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Chloroform	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Chloromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Chloroprene	NELAP	20.0		ND	µg/L	1	12/22/2011 16:17	73875
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Cyclohexanone		50.0		ND	µg/L	1	12/22/2011 16:17	73875
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Dibromomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Ethyl acetate	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Ethyl ether	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Heptane		20.0		ND	µg/L	1	12/22/2011 16:17	73875
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Hexachloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Iodomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	12/22/2011 16:17	73875
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 16:17	73875
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	12/22/2011 16:17	73875

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-002
Client Sample ID: South Frac
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Methylacrylate		10.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Methylene chloride	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Naphthalene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:17	73875
n-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
n-Hexane		20.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	12/22/2011 16:17	73875
n-Propylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
o-Xylene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	12/22/2011 16:17	73875
p-Isopropyltoluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Propionitrile	NELAP	50.0		**ND**	µg/L	1	12/22/2011 16:17	73875
sec-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Styrene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
tert-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Tetrachloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Toluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
trans-1,2-Dichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
trans-1,3-Dichloropropene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Trichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Trichlorofluoromethane	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Vinyl chloride	NELAP	2.0		**ND**	µg/L	1	12/22/2011 16:17	73875
Surr: 1,2-Dichloroethane-d4		74.7-129		**94.2**	%REC	1	12/22/2011 16:17	73875
Surr: 4-Bromofluorobenzene		86-119		**100.9**	%REC	1	12/22/2011 16:17	73875
Surr: Dibromofluoromethane		81.7-123		**98.1**	%REC	1	12/22/2011 16:17	73875
Surr: Toluene-d8		84.3-114		**96.2**	%REC	1	12/22/2011 16:17	73875

LCS recovered outside upper QC limits for Tetrachloroethene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-003
Client Sample ID: South Sump
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 1664A								
Hexane Extractable Material	NELAP	6		< 6	mg/L	1	12/23/2011 9:06	R158135
EPA 600 350.1 R2.0 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		4.06	mg/L	1	12/23/2011 9:57	R158164
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00	E	12.8		1	12/21/2011 17:18	R158038
pH above the standard.								
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		57	mg/L	1	12/22/2011 9:05	R158085
STANDARD METHODS 18TH ED. 5210 B								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	12/22/2011 15:59	73847
EPA 600 245.1 R3.0 (TOTAL)								
Mercury	NELAP	0.00020		0.00669	mg/L	1	12/23/2011 9:02	73843
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.125		0.962	mg/L	5	12/23/2011 11:09	73829
Barium	NELAP	0.0250		0.248	mg/L	5	12/23/2011 11:09	73829
Cadmium	NELAP	0.0100		0.0875	mg/L	5	12/23/2011 11:09	73829
Chromium	NELAP	0.0100	J	0.0076	mg/L	1	12/22/2011 23:05	73829
Copper	NELAP	0.0500		8.36	mg/L	5	12/23/2011 11:09	73829
Lead	NELAP	0.200		105	mg/L	5	12/23/2011 11:09	73829
Selenium	NELAP	0.250		1.09	mg/L	5	12/23/2011 11:09	73829
Silver	NELAP	0.0100		< 0.0100	mg/L	1	12/22/2011 23:05	73829
Zinc	NELAP	0.0500		51.8	mg/L	5	12/23/2011 11:09	73829
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875

Teklab, Inc.
Environmental Laboratory

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-003
Client Sample ID: South Sump
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
2-Butanone	NELAP	25.0	J	15	µg/L	1	12/22/2011 16:44	73875
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	12/22/2011 16:44	73875
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
2-Hexanone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:44	73875
2-Nitropropane	NELAP	50.0		ND	µg/L	1	12/22/2011 16:44	73875
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	12/22/2011 16:44	73875
Acetone	NELAP	25.0		74.7	µg/L	1	12/22/2011 16:44	73875
Acetonitrile	NELAP	50.0		ND	µg/L	1	12/22/2011 16:44	73875
Acrolein	NELAP	100		ND	µg/L	1	12/22/2011 16:44	73875
Acrylonitrile	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Allyl chloride	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Benzene	NELAP	2.0		ND	µg/L	1	12/22/2011 16:44	73875
Bromobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Bromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Bromoform	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Bromomethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Butyl acetate		25.0		ND	µg/L	1	12/22/2011 16:44	73875
Carbon disulfide	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Chlorobenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Chloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Chloroform	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Chloromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Chloroprene	NELAP	20.0		ND	µg/L	1	12/22/2011 16:44	73875
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Cyclohexanone		50.0		ND	µg/L	1	12/22/2011 16:44	73875
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Dibromomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Ethyl acetate	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Ethyl ether	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Ethylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Heptane		20.0		ND	µg/L	1	12/22/2011 16:44	73875
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Hexachloroethane	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Iodomethane	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	12/22/2011 16:44	73875
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	12/22/2011 16:44	73875
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	12/22/2011 16:44	73875

Client: Chemetco
Work Order: 11120957
Client Project: Frac Tanks
Report Date: 28-Dec-11
Lab ID: 11120957-003
Client Sample ID: South Sump
Matrix: WASTE WATER
Collection Date: 12/21/2011 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Methylacrylate		10.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Methylene chloride	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Naphthalene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:44	73875
n-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
n-Hexane		20.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Nitrobenzene	NELAP	50.0		**ND**	µg/L	1	12/22/2011 16:44	73875
n-Propylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
o-Xylene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Pentachloroethane	NELAP	20.0		**ND**	µg/L	1	12/22/2011 16:44	73875
p-Isopropyltoluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Propionitrile	NELAP	50.0		**ND**	µg/L	1	12/22/2011 16:44	73875
sec-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Styrene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
tert-Butylbenzene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Tetrachloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Tetrahydrofuran	NELAP	20.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Toluene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
trans-1,2-Dichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
trans-1,3-Dichloropropene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
trans-1,4-Dichloro-2-butene	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Trichloroethene	NELAP	5.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Trichlorofluoromethane	NELAP	5.0		**26.3**	µg/L	1	12/22/2011 16:44	73875
Vinyl acetate	NELAP	10.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Vinyl chloride	NELAP	2.0		**ND**	µg/L	1	12/22/2011 16:44	73875
Surr: 1,2-Dichloroethane-d4		74.7-129		**99.3**	%REC	1	12/22/2011 16:44	73875
Surr: 4-Bromofluorobenzene		86-119		**101.4**	%REC	1	12/22/2011 16:44	73875
Surr: Dibromofluoromethane		81.7-123		**101.4**	%REC	1	12/22/2011 16:44	73875
Surr: Toluene-d8		84.3-114		**96.8**	%REC	1	12/22/2011 16:44	73875

LCS recovered outside upper QC limits for Tetrachloroethene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Xenco Laboratories, Inc.
Environmental Laboratory

Client: Chemetco
Client Project: Frac Tanks

Work Order: 11120957
Report Date: 28-Dec-11

Carrier: Dawn Brantley

Completed by: Timothy W. Mathis
On: 21-Dec-11

Received By: TWM

Reviewed by: Marvin L. Darling
On: 22-Dec-11

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		Temp ℃	***5.8***	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐		Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Reported field parameters measured:	Field ☐	Lab ☑	NA ☐				
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐					
When thermal preservation is required, samples are compliant with a temperature between 0.1℃ - 6.0℃, or when samples are received on ice the same day as collected.							
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐				
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑				
Water - pH acceptable upon receipt?	Yes ☐	No ☑					

Any No responses must be detailed below or on the COC.

Additional sulfuric acid and nitric acid were needed upon arrival at the laboratory for the oil and grease, COD, and metals containers in the South Sump sample. CCF 12/21/11

CHAIN OF CUSTODY

pg. ____ of ____ Work Order # 11120957

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Estate of Chemetco
Address: 3754 Chemetco Lane
City / State / Zip: Hartford IL 62048
Contact: J Garcia Phone: 618-254-4381
E-Mail: Jgarcia@chemetcoestate Fax:

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 5.8 °C
Preserved in: ☒ Lab ☐ Field FOR LAB USE ONLY
Lab Notes: added HNO_3 & H_2SO_4 to South Sump @ NEWSPAPER TM 12-21-11 12-21-11

Comments: std +A Teklab Inc Courier Pick Up
Per Jorge Garcia, analyze for RCRA 8 + Cu, Zn. 12/22/11
South Pump ID should be S. Sump

* Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☐ No
* Are these samples known to be hazardous? ☐ Yes ☐ No
* Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☐ No

Project Name / Number: FRAC TANKS

Sample Collector's Name: Jorge Garcia

Results Requested: ☐ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other______ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	pH	COD	TSS	BOD	VOCs	O&G	Ammonia	Metals
11120957-001	North Frac	12-21-11 840									X					X	X	X	X	X	X	X	X
002	South Frac	12-21-11 905									X					X	X	X	X	X	X	X	X
003	South Pump (S. 12/22/11)	12-21-11 930									X					X	X	X	X	X	X	X	X

Relinquished By	Date / Time	Received By	Date / Time
Jorge Garcia	12-21-11 955	[signature]	12/21/11 955
[signature]	12/21/11 1017	[signature]	12-21-11 1017

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE – LAB YELLOW – SAMPLER'S COPY

APPENDIX E Monthly Security Action Item Reports

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

November 3, 2011

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the October Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on October 3, 2011.

There are no action items to report for the month of October. The next monthly report is due by November 30, 2011.

If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD-Paradigm
Chris Cahnovsky, IEPA-Collinsville
Erin Rednour, IEPA-Springfield
James Morgan, IAGO
Penni S. Livingston, Livingston Law Firm

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

December 1, 2011

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the November Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on November 3, 2011.

There were no action items to report for the month of November. The next monthly report is due by December 31, 2011.

If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD-Paradigm
Chris Cahnovsky, IEPA-Collinsville
Erin Rednour, IEPA-Springfield
James Morgan, IAGO
Penni S. Livingston, Livingston Law Firm

Estate of Chemetco, Inc.

3754 Chemetco Lane • Hartford, IL 62048
Office: (618) 254-4381 x372 •Fax: (618) 254-0138
jgarcia@chemetcoestate.com

December 29, 2011

Michelle Kerr
Attn: SR-6J
Remedial Project Manager
US EPA Region 5 Superfund Division
77 W. Jackson Blvd. SRF 6J
Chicago, IL 60604

Re: Security Plan and Monthly Security Action Items Letter Report

Dear Mrs. Kerr:

On behalf of the Estate of Chemetco, Inc. (Estate), I am submitting the December Security Plan and Monthly Security Action Items letter report. The previous letter report was submitted on December 1, 2011.

Demolition activities were completed by American Integrated System (AIS) on December 16, 2011. Over the next few months, the Estate will be working towards restoring the site, where appropriate to pre existing conditions (i.e. restore power, surveillance cameras, etc.).

On December 19, the Estate routed back the stormwater discharge line from the southwest sump. During demolition activities, stormwater was diverted and discharge directly to the retention basin. The stormwater discharge line has been restored to discharge directly to the east and west canal.

The next monthly report is due by January 31, 2011.

If you have any questions and/or comments, please feel free to contact me at (618) 254-4381 x372, or my cell phone at (314) 348-8211.

Sincerely,
ESTATE OF CHEMETCO, INC.

Jorge Y. Garcia PG
Project Coordinator/EH&S Manager

CC: Donald M. Samson, Trustee
Elliott Stegin, IAD-Paradigm
Chris Cahnovsky, IEPA-Collinsville
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